

# Microsoft Deployment Toolkit

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# MDT Prerequisites

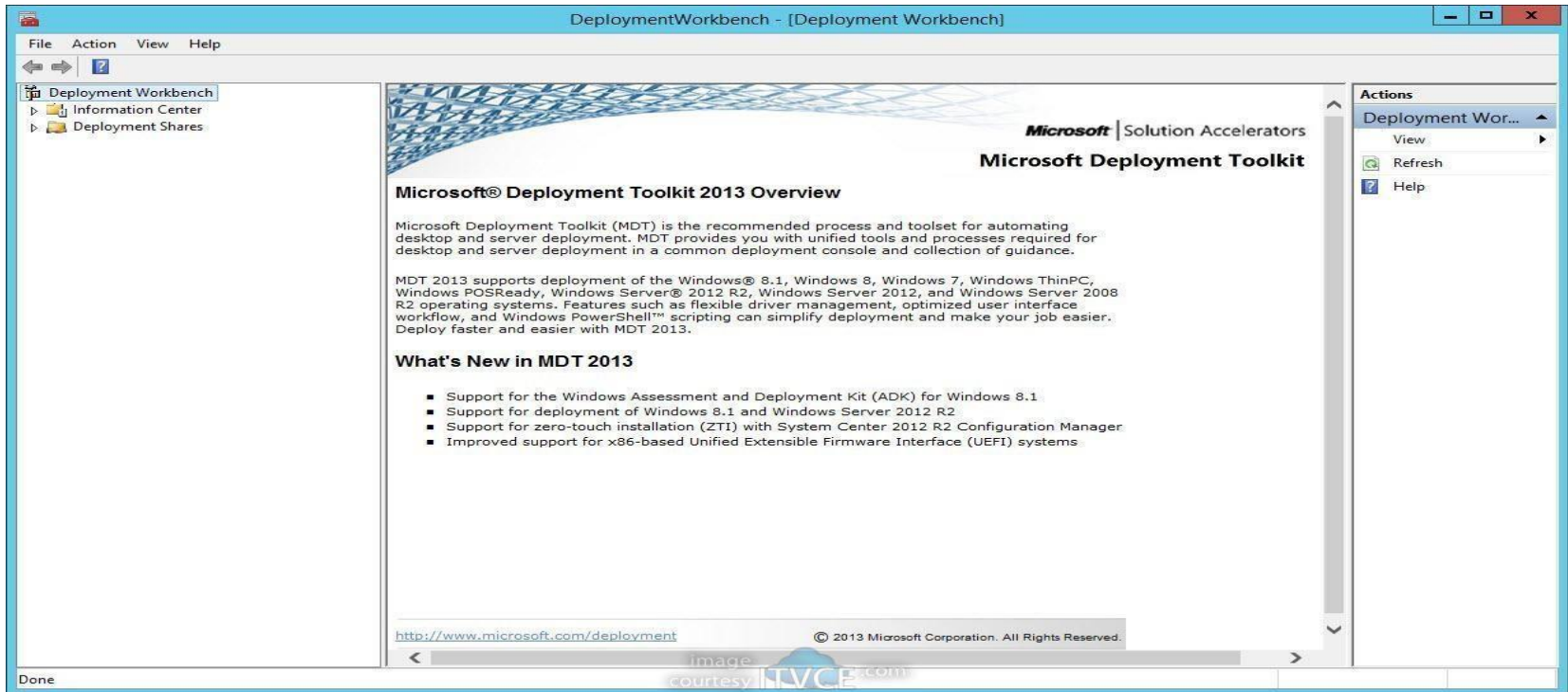
- Must use Win 10 PC
- Microsoft Deployment Tool Kit (MDT) Windows 10
  - v. 6.3.8330.100
- Windows Assessment and Deployment Kit (Windows ADK) Windows 10
  - Note: Make sure the ADK version is paired with the appropriate MDT version or the Deployment workbench will not run

# MDT Prerequisites

- Deployment Share for Import is:
- WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare.zip
- MDT Components for building a Deployment Share from Scratch is :
- WIN10-ZEBRA-R1.0-00X-X64-Components. zip

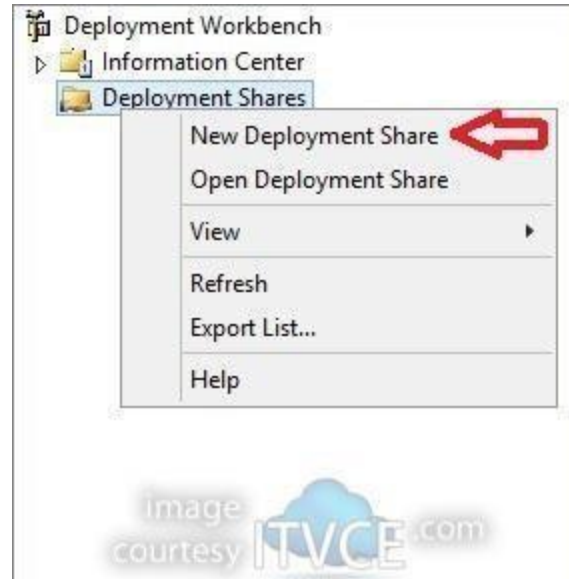
# Building a Deployment Share

- Launch Deployment Workbench (Read the overview)

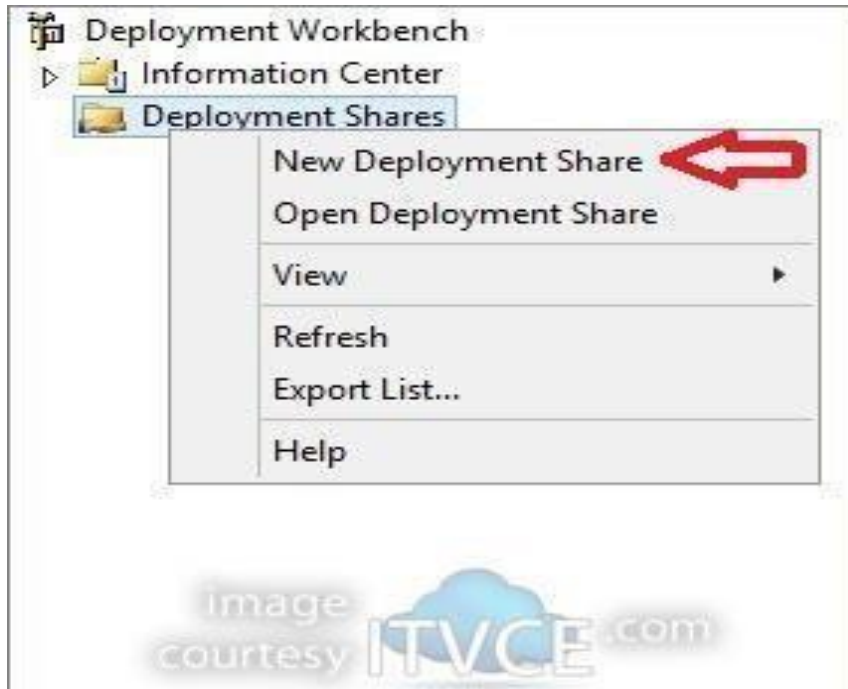


# • Configure New Deployment Share

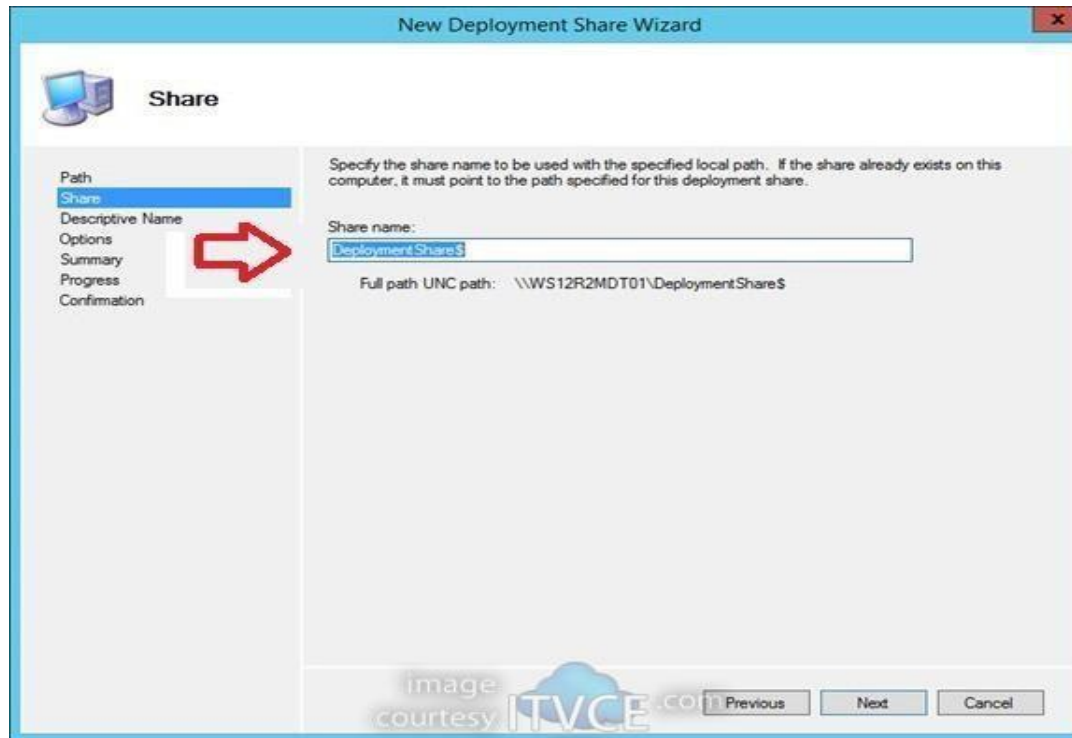
Right click **Deployment Shares** in the left navigation and select **New Deployment Share**



- Change the deployment share path

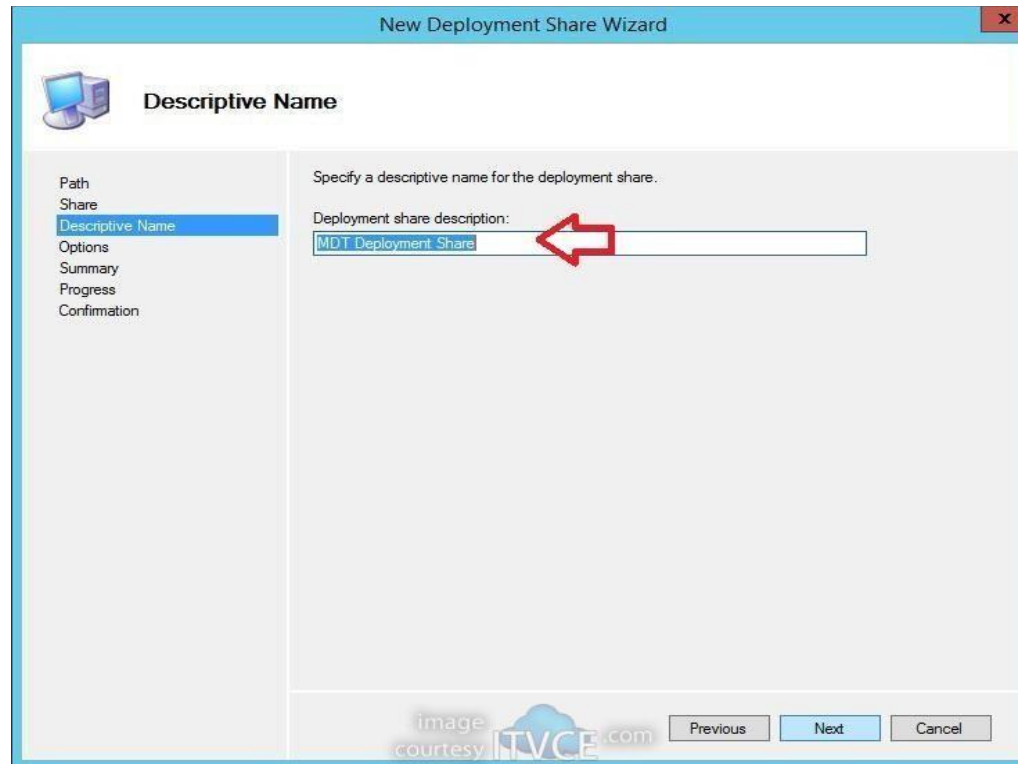


- Set Deployment Share Name





# Set Deployment Share Description



The screenshot shows the 'New Deployment Share Wizard' window. The title bar reads 'New Deployment Share Wizard'. On the left, a list of steps includes 'Path', 'Share', 'Descriptive Name' (which is highlighted), 'Options', 'Summary', 'Progress', and 'Confirmation'. The main area is titled 'Descriptive Name' and contains the instruction 'Specify a descriptive name for the deployment share.' Below this, there is a text box labeled 'Deployment share description:' containing the text 'MDT Deployment Share'. A red arrow points to this text box. At the bottom right, there are three buttons: 'Previous', 'Next', and 'Cancel'. A watermark 'image courtesy ITVCE.com' is visible at the bottom center.

New Deployment Share Wizard

**Descriptive Name**

Path  
Share  
**Descriptive Name**  
Options  
Summary  
Progress  
Confirmation

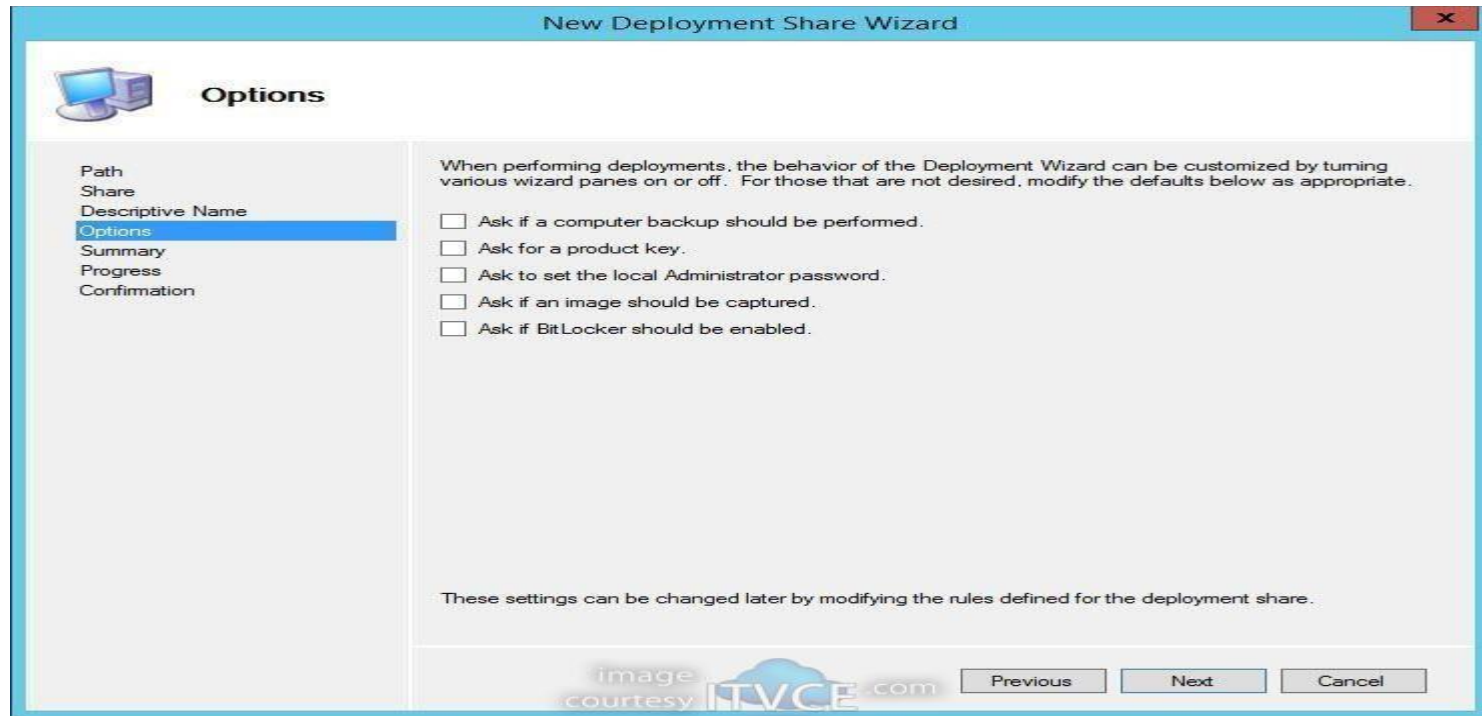
Specify a descriptive name for the deployment share.

Deployment share description: MDT Deployment Share

Previous Next Cancel

image courtesy ITVCE.com

# Set deployment Share Options



# Review Summary

New Deployment Share Wizard

**Summary**

Path  
Share  
Descriptive Name  
Options  
**Summary**  
Progress  
Confirmation

All of the necessary details have been specified. Please review the values below.

Details:

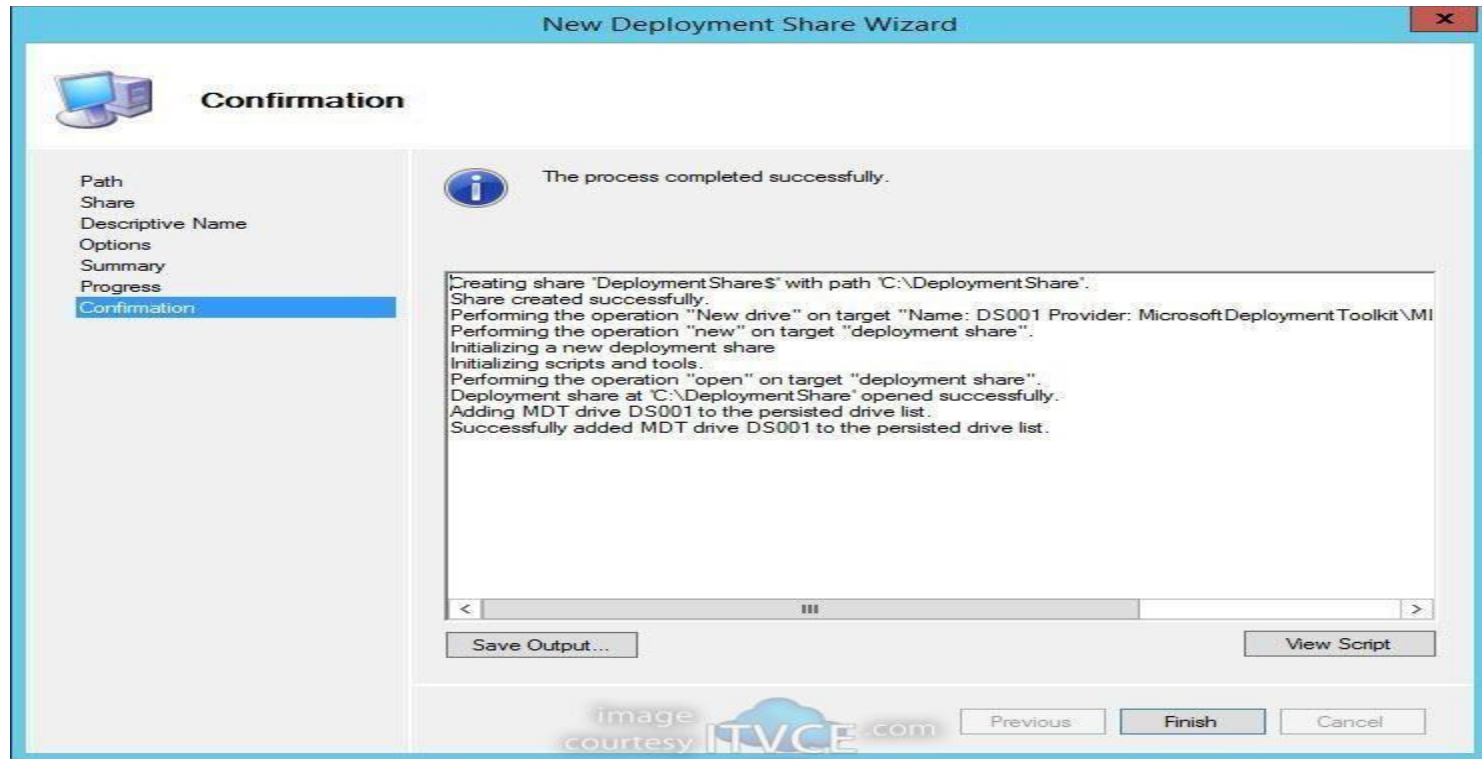
Path:	C:\Deployment Share
Upgrade:	False
ShareName:	DeploymentShare\$
Description:	MDT Deployment Share
Ask about Backup:	False
Ask for Product Key:	False
Ask for Admin Password:	*****
Ask about Image Capture:	False
Ask about BitLocker:	False

Click next to execute the requested action.

image courtesy ITVCE.com

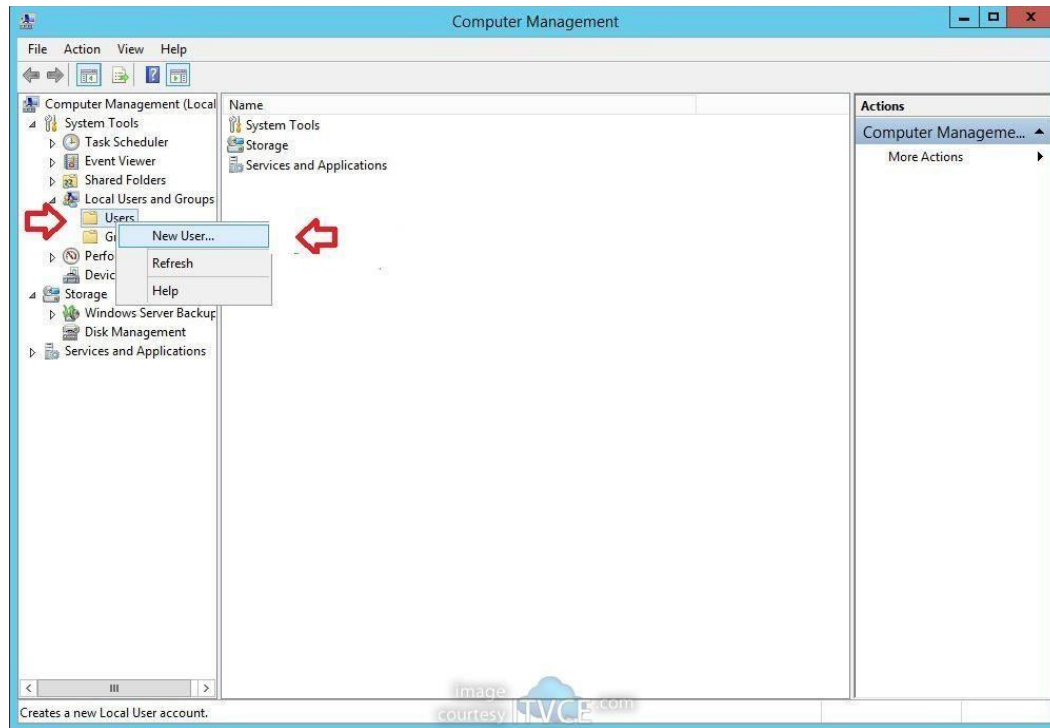
Previous Next Cancel

# Finish and Generate



# MDT Service Account

- Go to **Computer Management**. Expand **Local Users and Groups** and right click **Users** to select **New User**:



# Deployment Share Properties

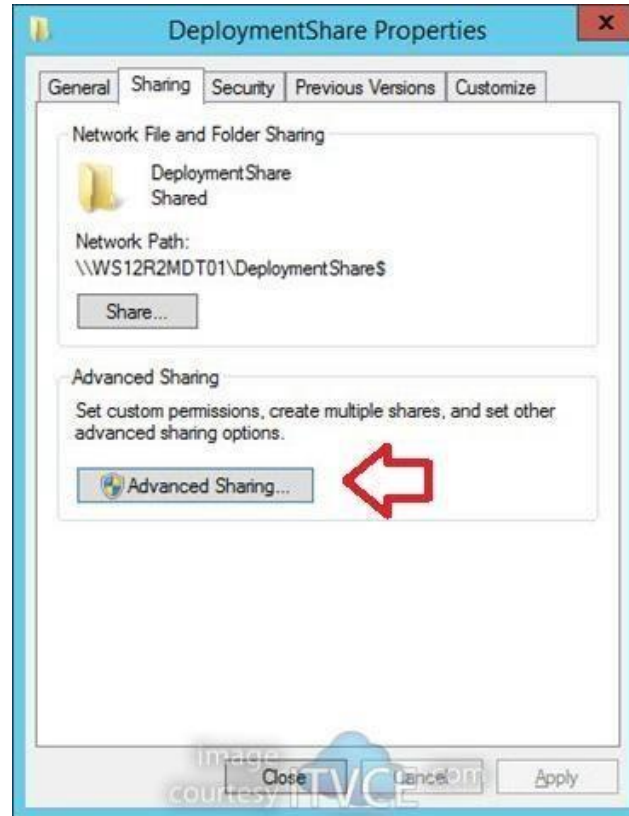
MDT Service Account Create Local User and set password to “Never expires”

The screenshot shows the 'New User' dialog box with the following fields and options:

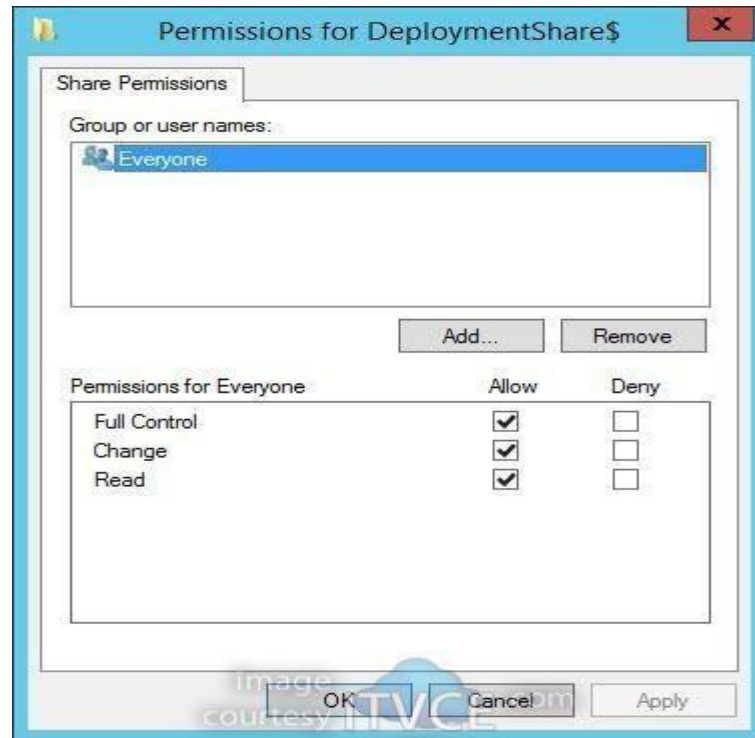
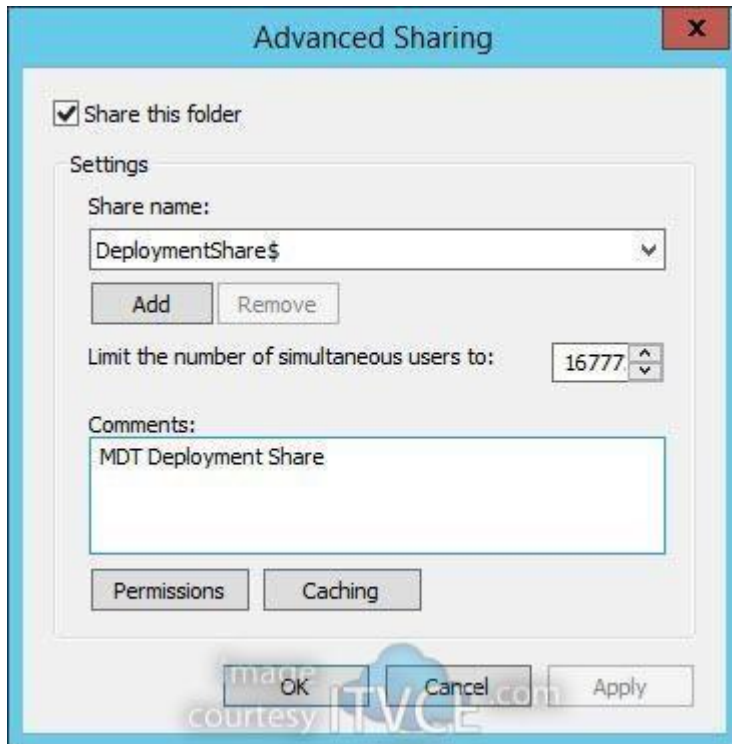
- User name: MDT
- Full name: (empty)
- Description: (empty)
- Password: (masked with dots, red arrow pointing to it)
- Confirm password: (masked with dots, red arrow pointing to it)
- ☐ User must change password at next logon
- ☐ User cannot change password
- ☒ Password never expires (red arrow pointing to it)
- ☐ Account is disabled

At the bottom, there are buttons for 'Help', 'Create' (highlighted), and 'Close'. A watermark 'image courtesy ITVCE' is visible in the background.

- Identify Share Folder Right Click

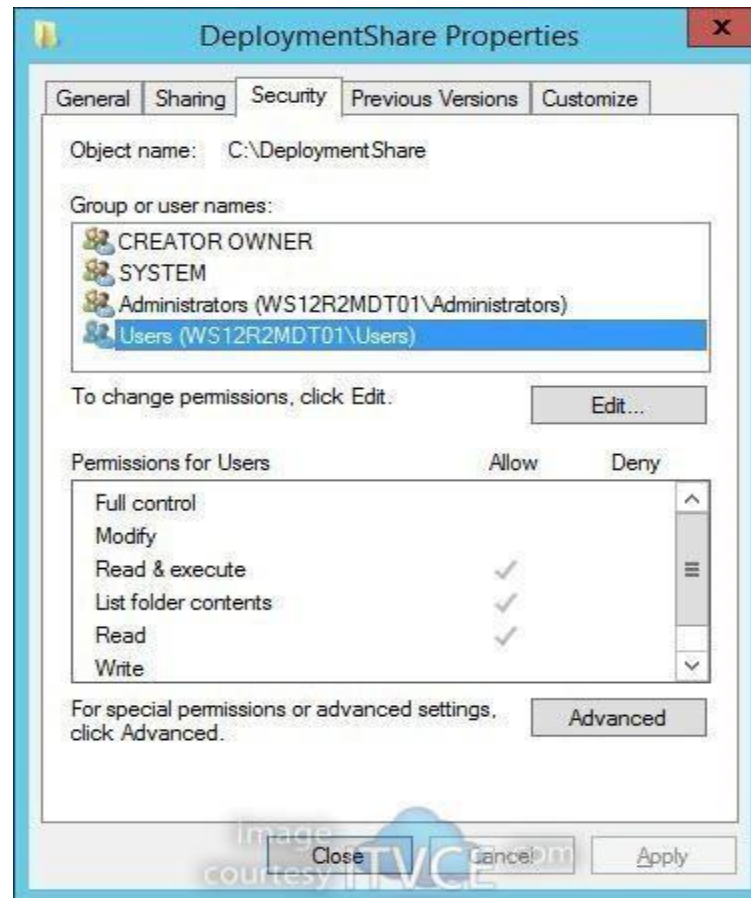


- Set Permission

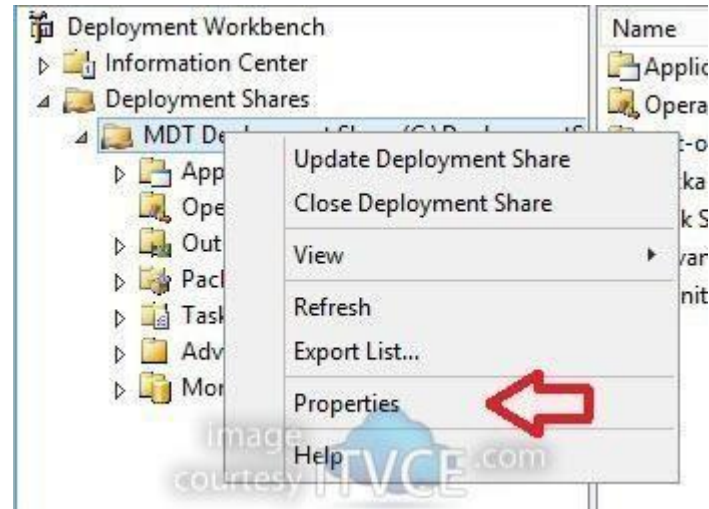


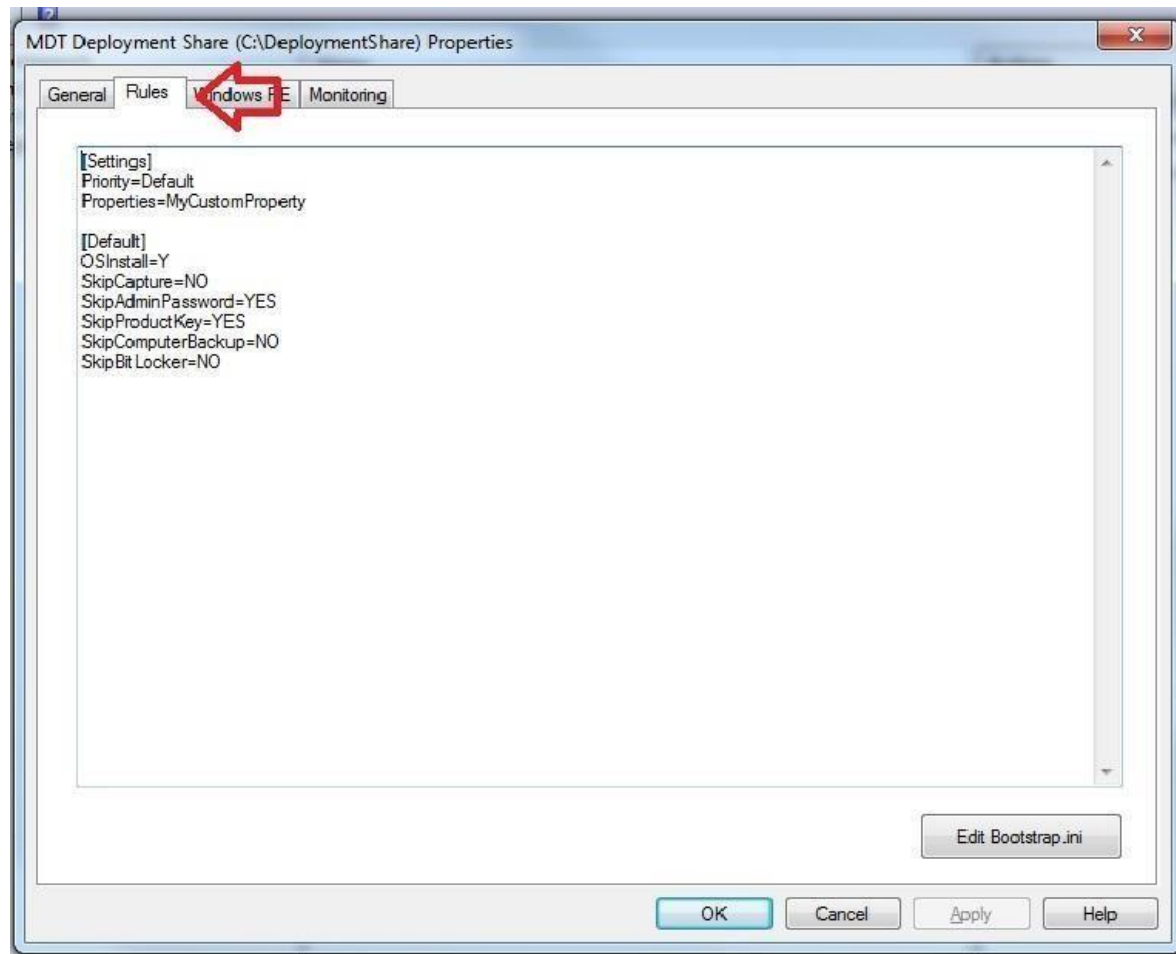


- Click Security Tab and review permissions

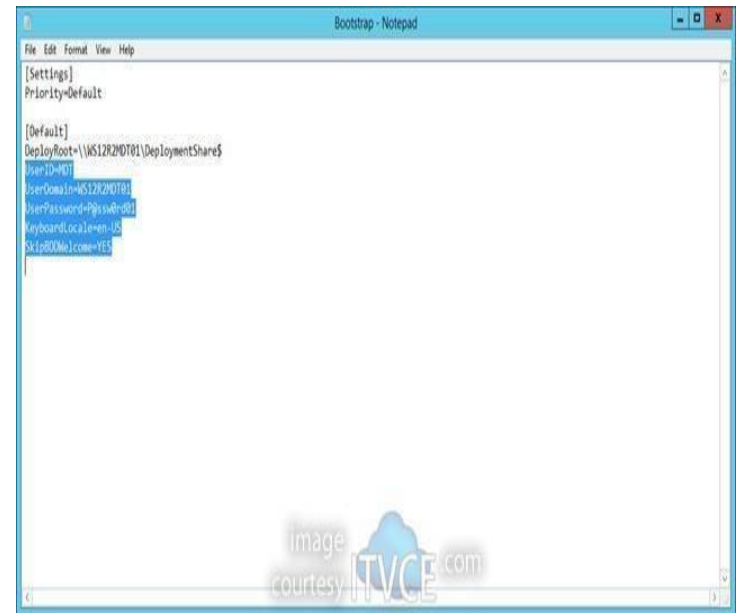


- Set share Rules





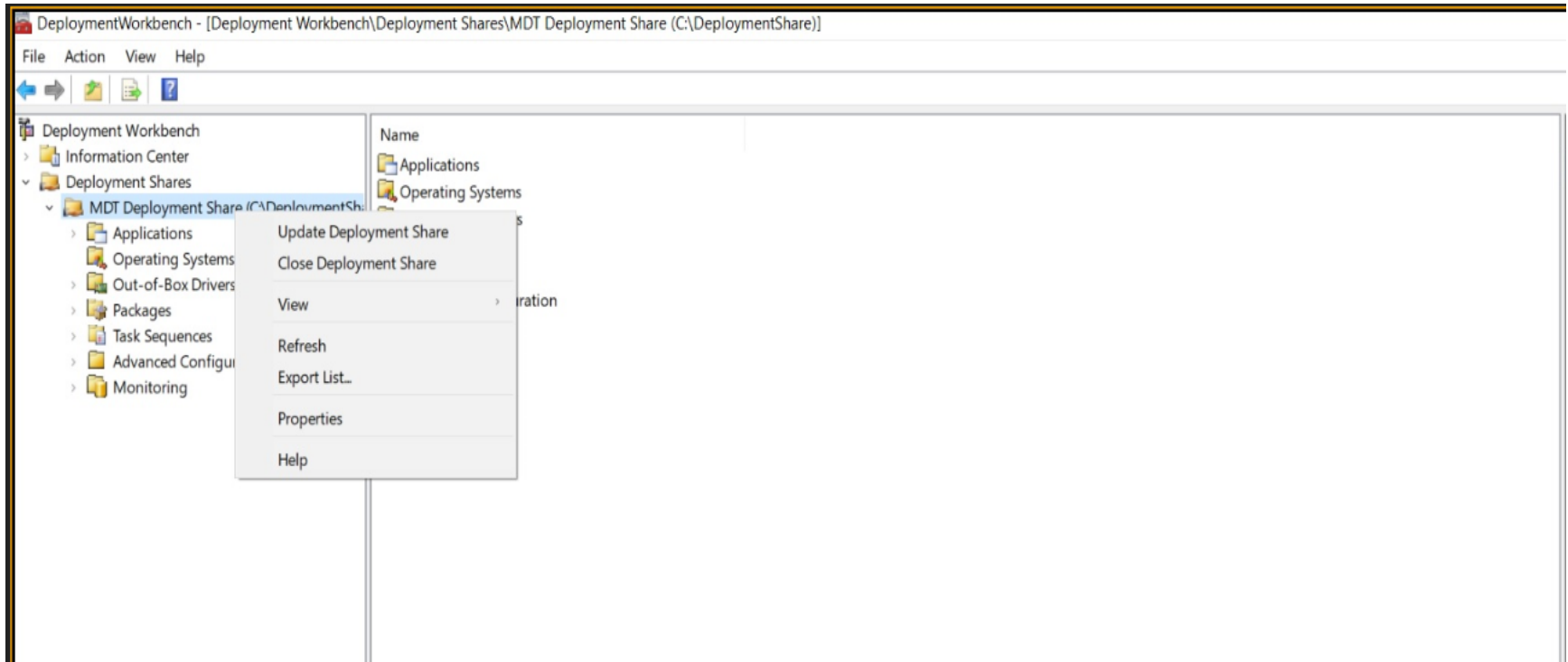
- Edit Boot.ini
- Remove:
- UserID=MDT  
    UserDomain=WS12R2MDT01  
    UserPassword=P@ssw0rd01  
    KeyboardLocale=en-US  
    SkipBDDWelcome=YES
- Save the file to Deployment Share



```
[Settings]
Priority=Default

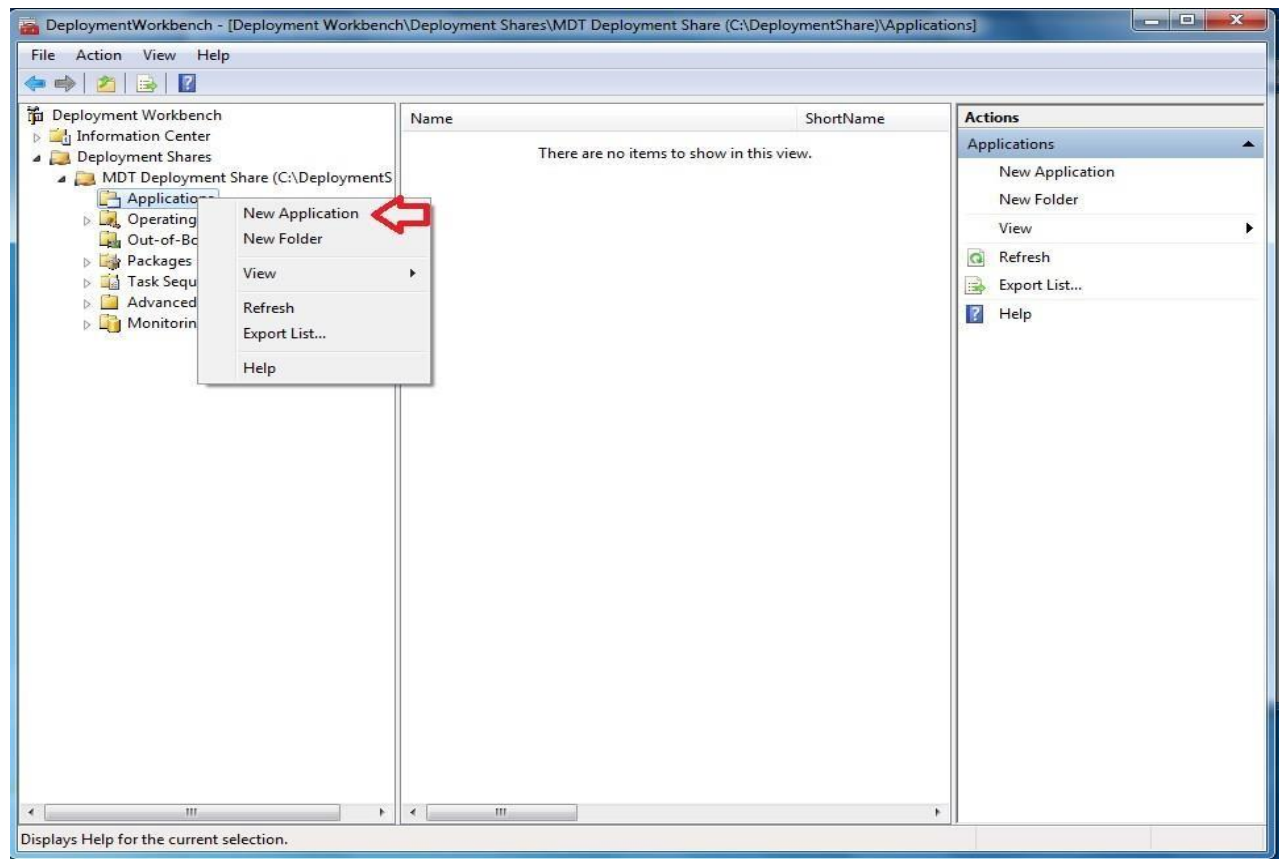
[Default]
DeployRoot=\\WS12R2MDT01\\DeploymentShare$
UserID=MDT
UserDomain=WS12R2MDT01
UserPassword=P@ssw0rd01
KeyboardLocale=en-US
SkipBDDWelcome=YES
```

# Update Deployment Share

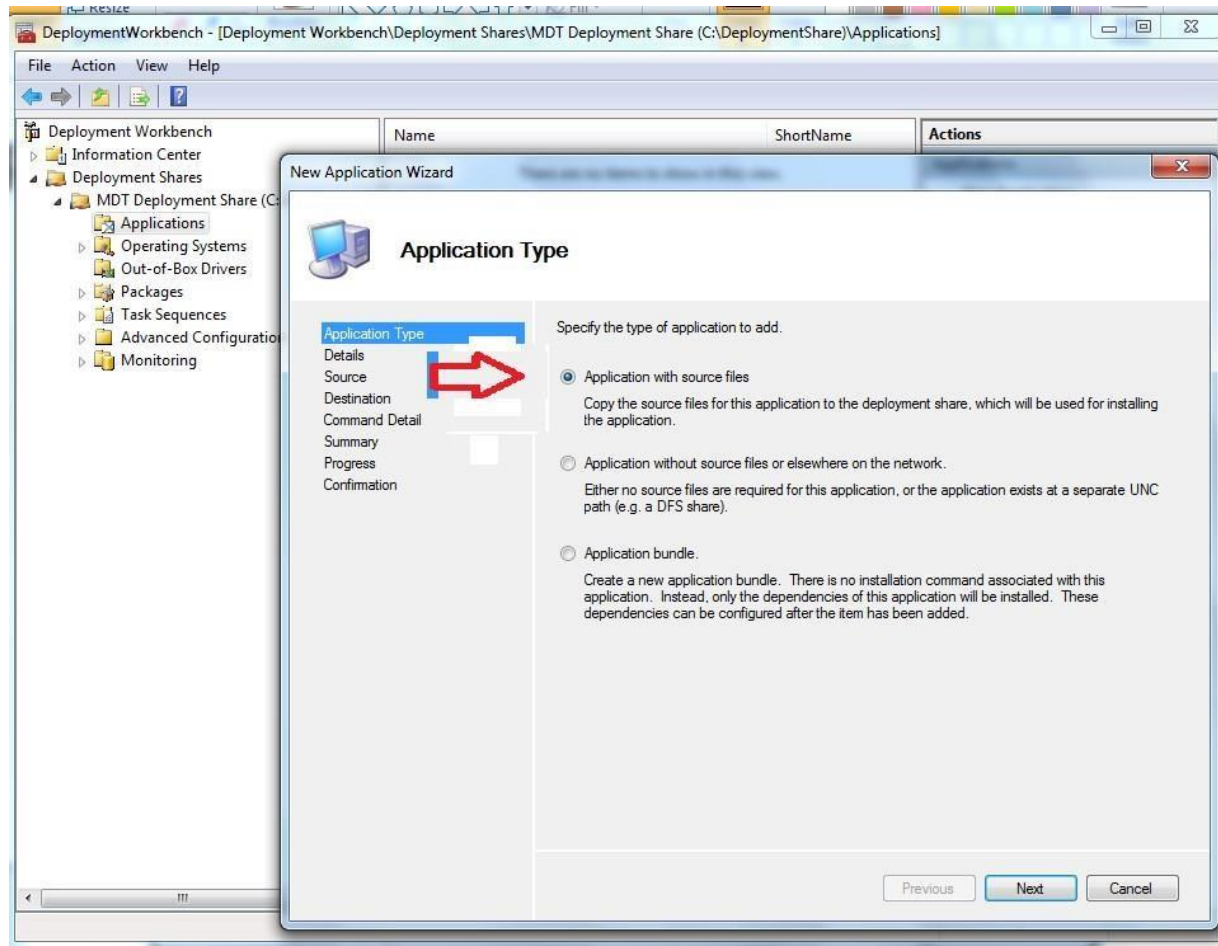


# Set Deployment Share Rules

In the Deployment workbench go to the Deployment share and then New Applications



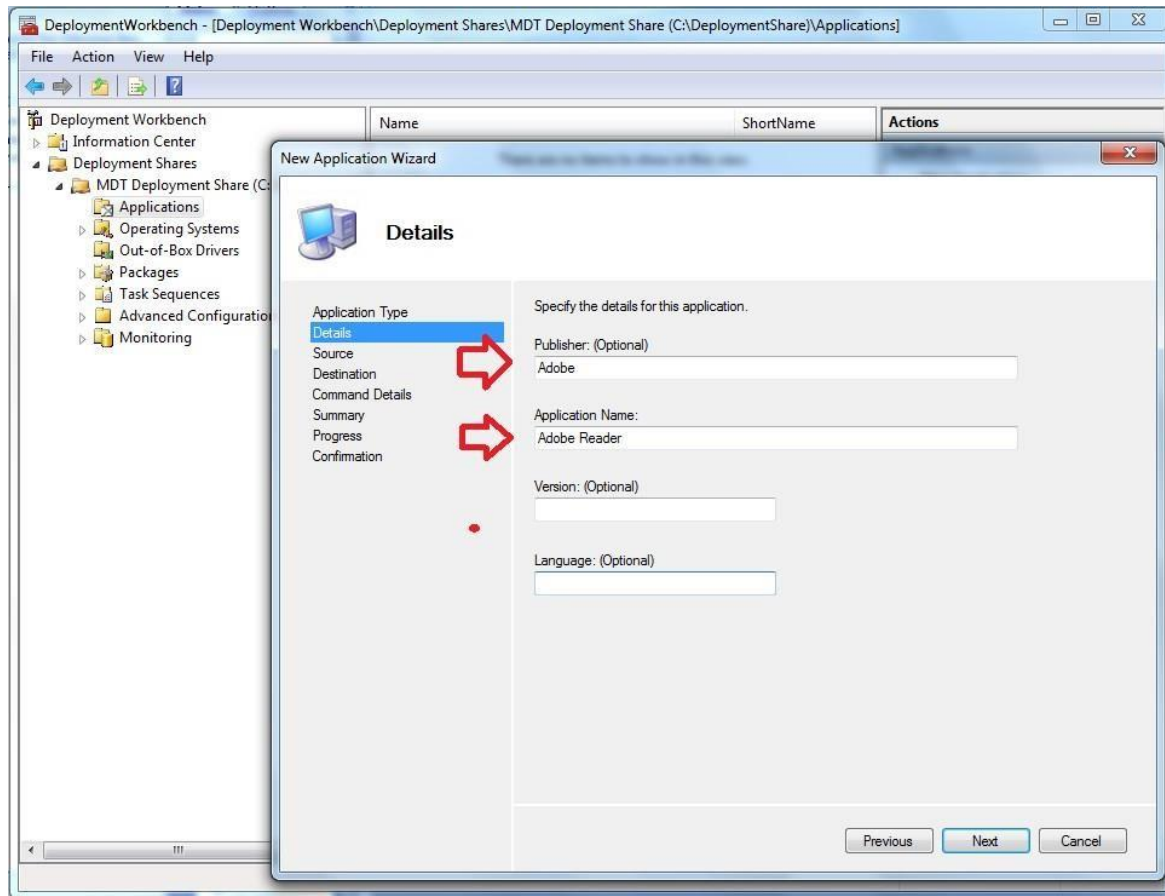
- Set application type



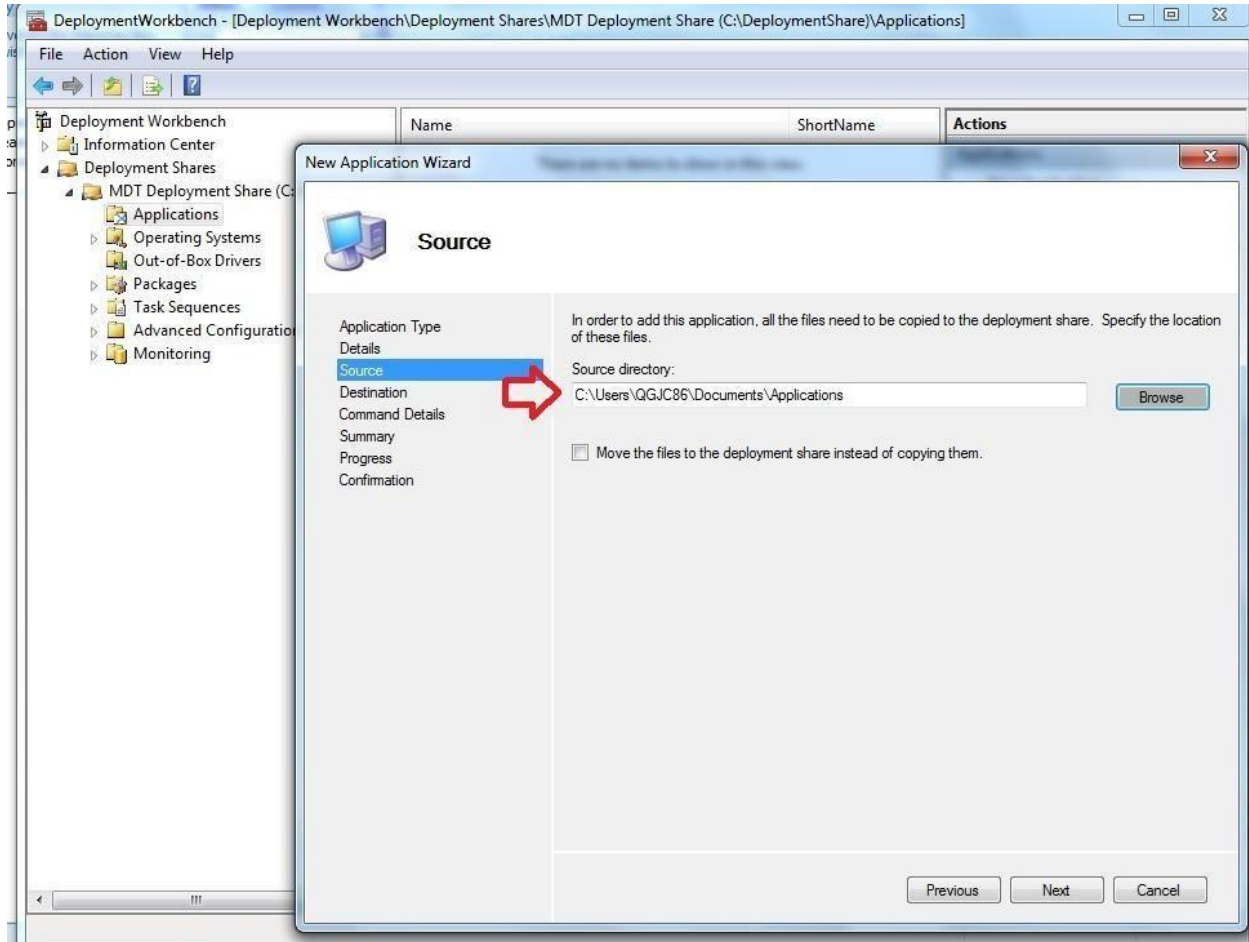


# • Import Applications

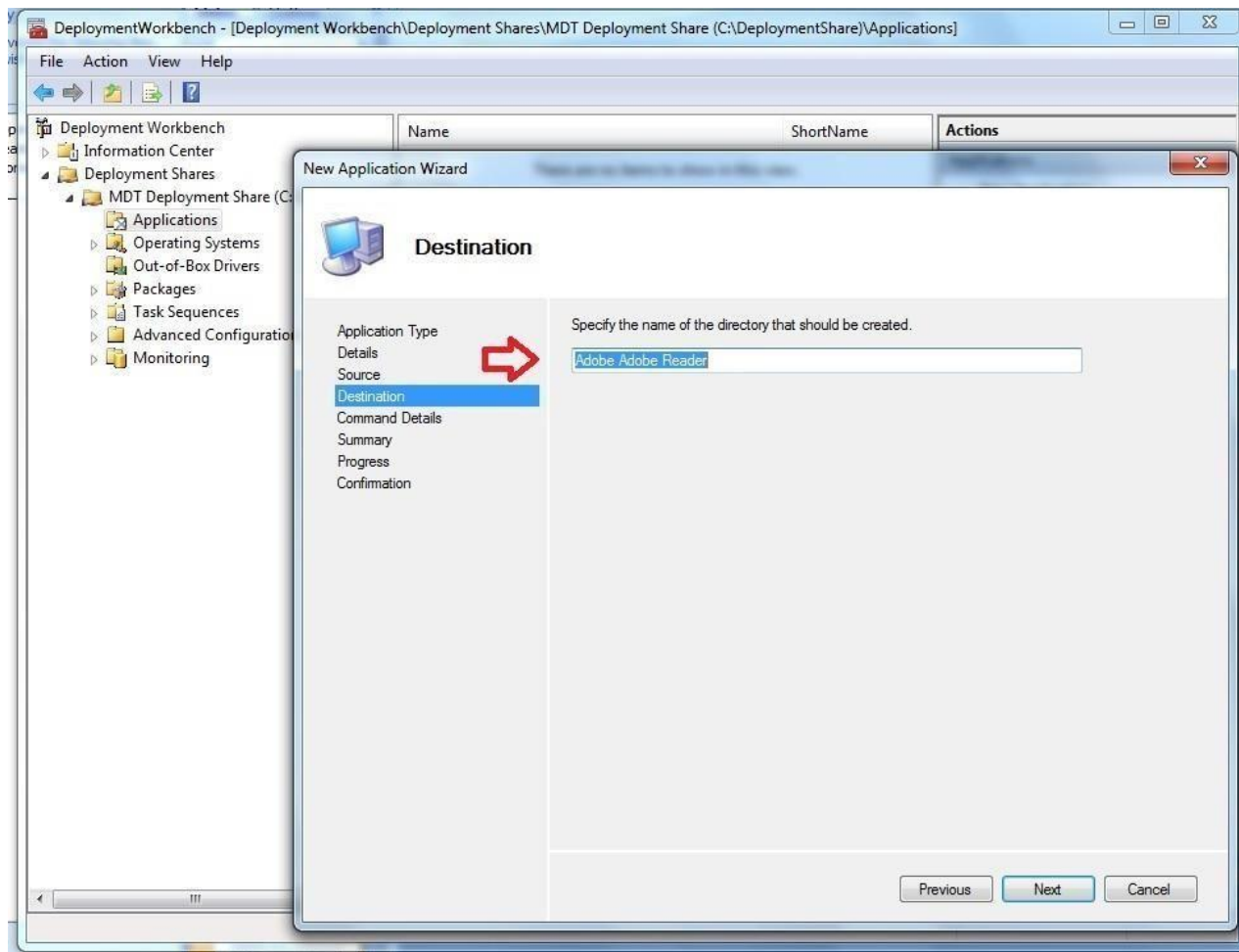
Set application details



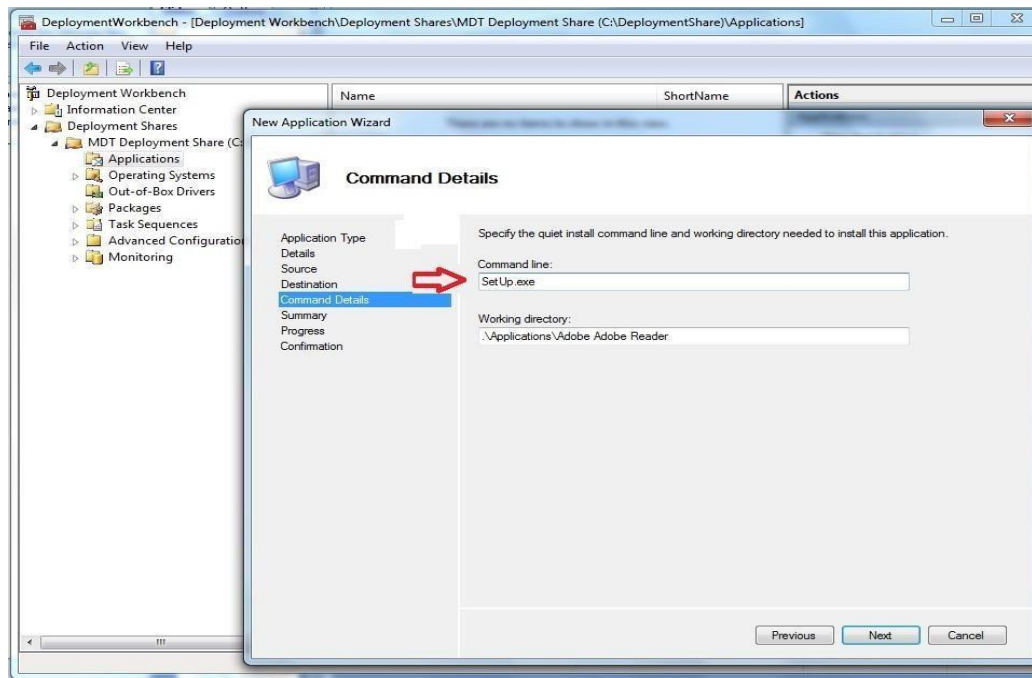
- Set application source



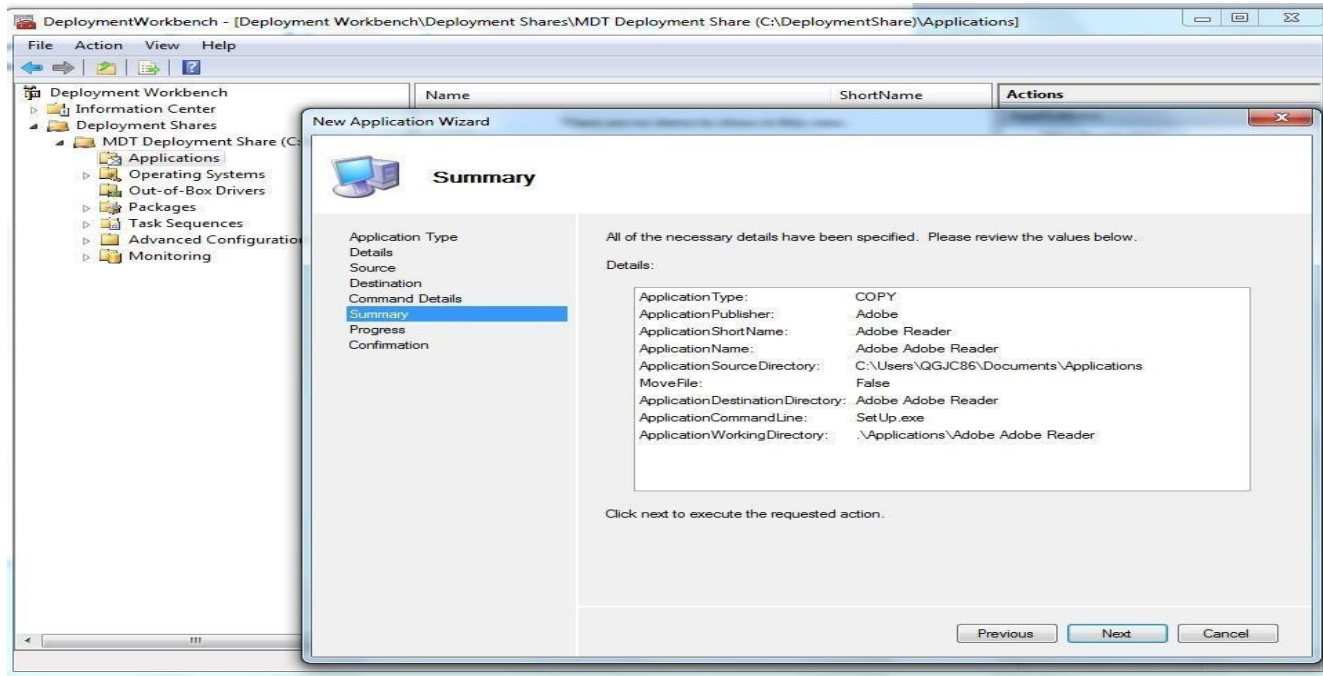
- Set Destination directory

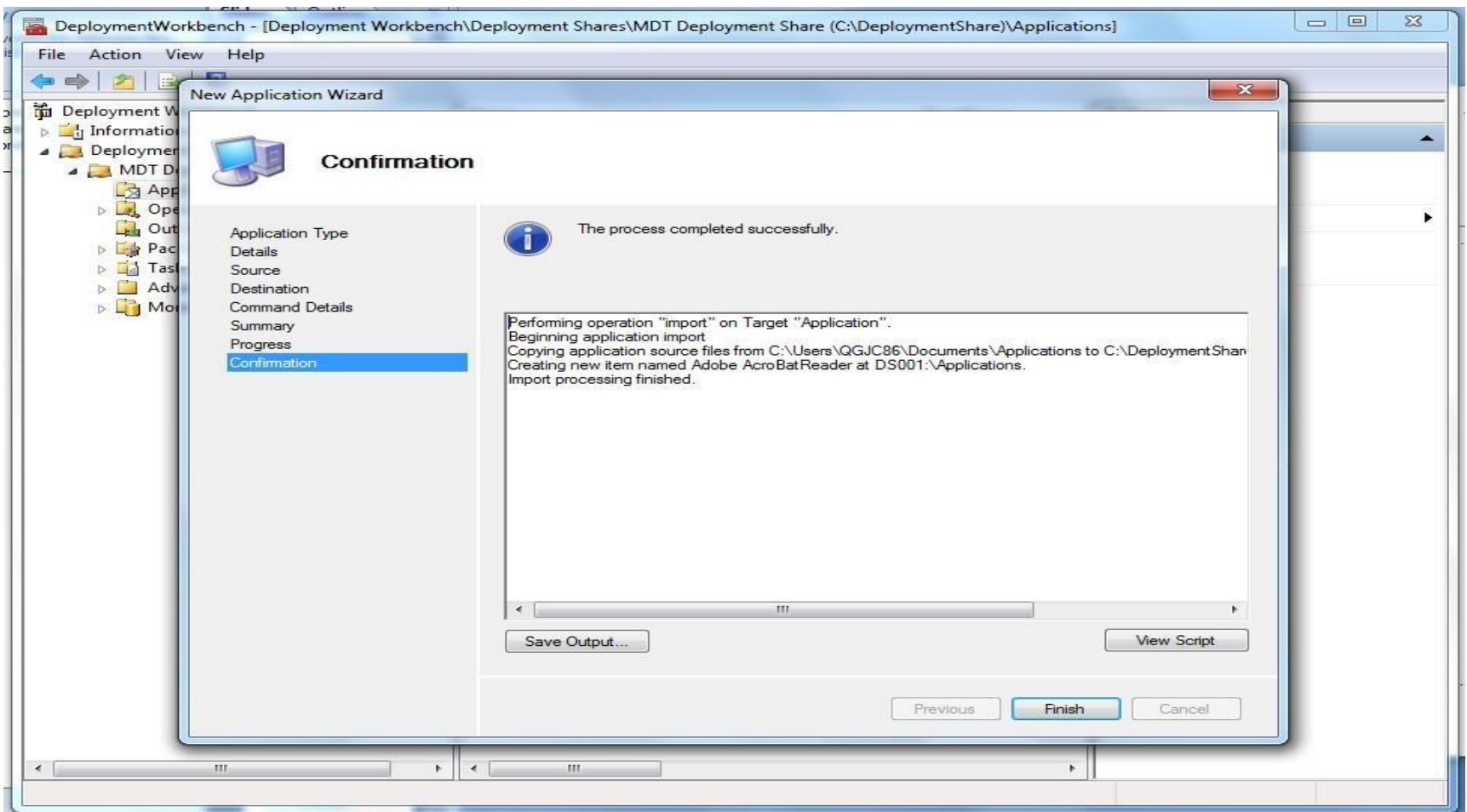


# Set Command Line instructions to install application on target host/Hosts



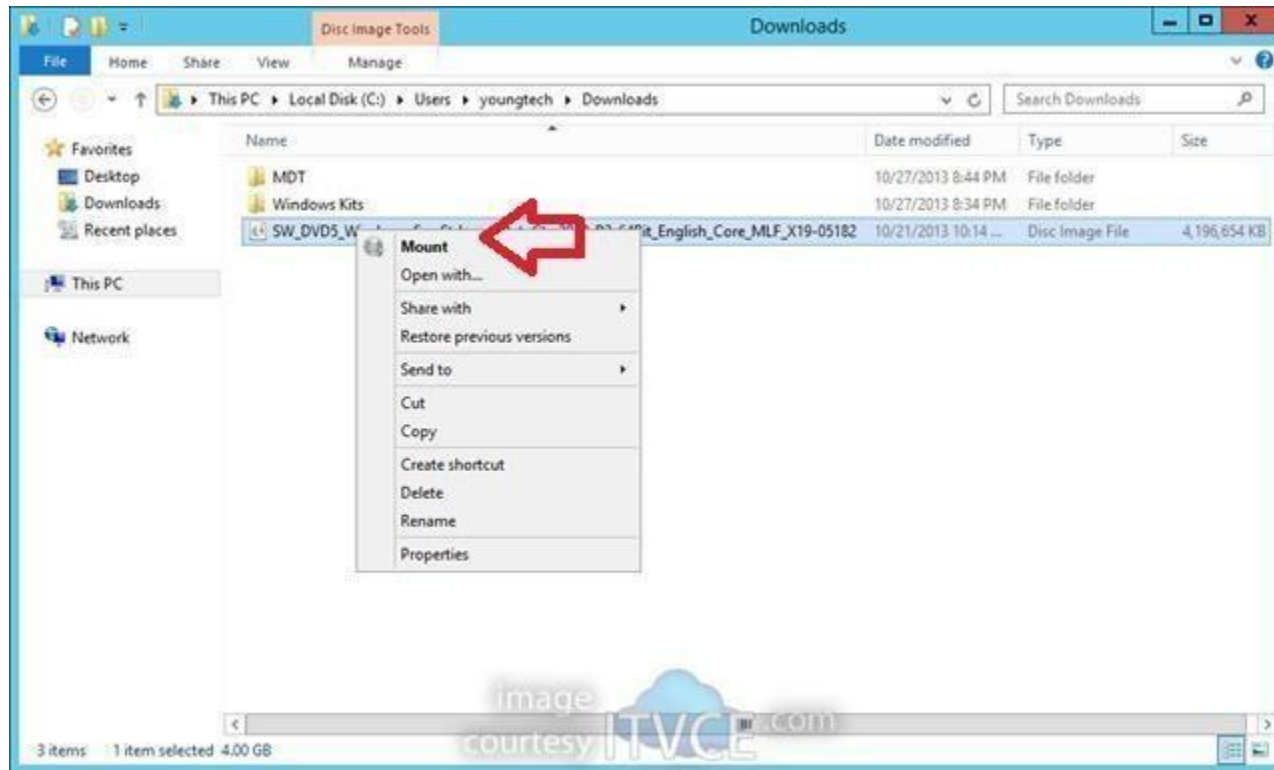
# Review application summary



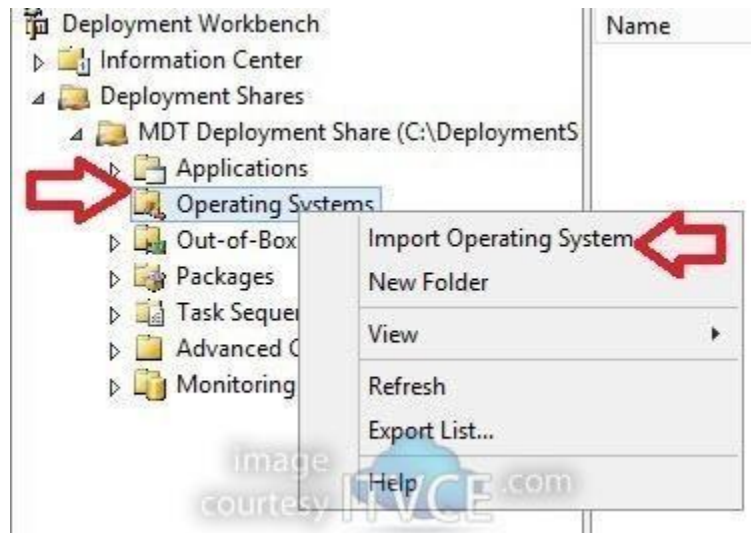


# • Import The OS Image

Mount the operating system ISO and record the path



- In the Deployment workbench go to the share and operating system

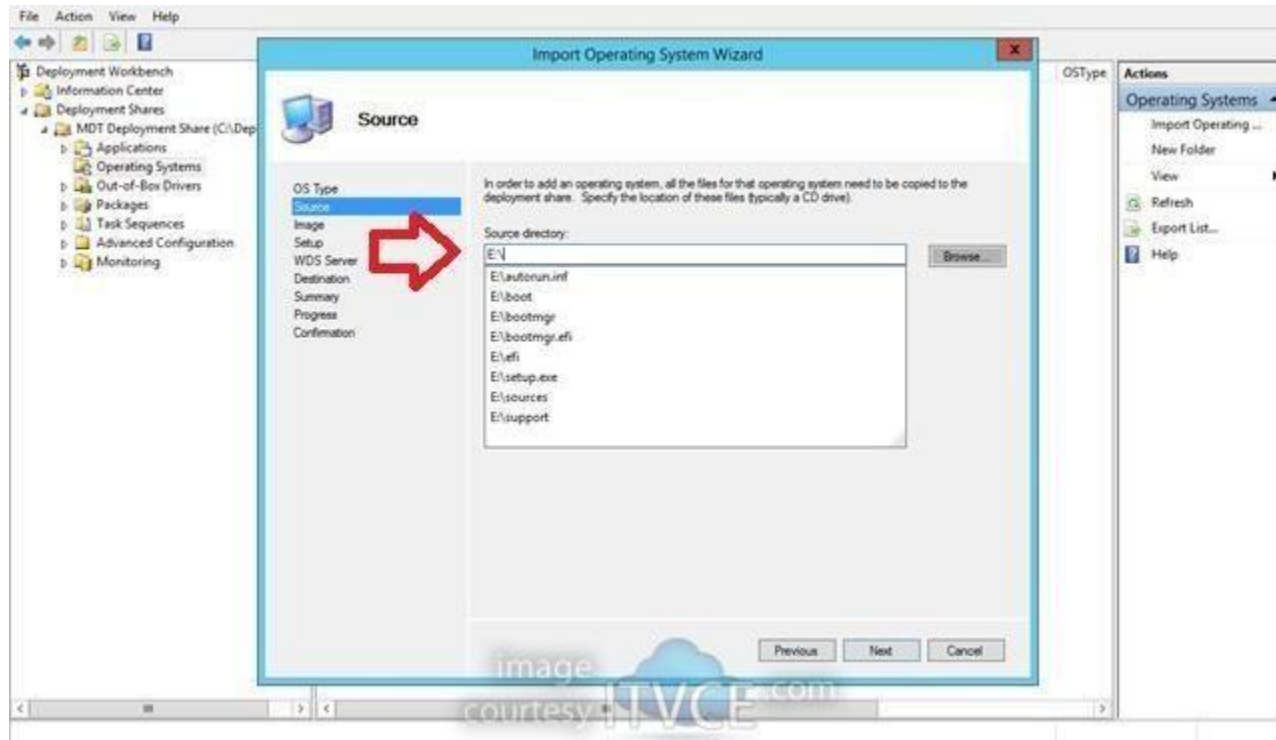




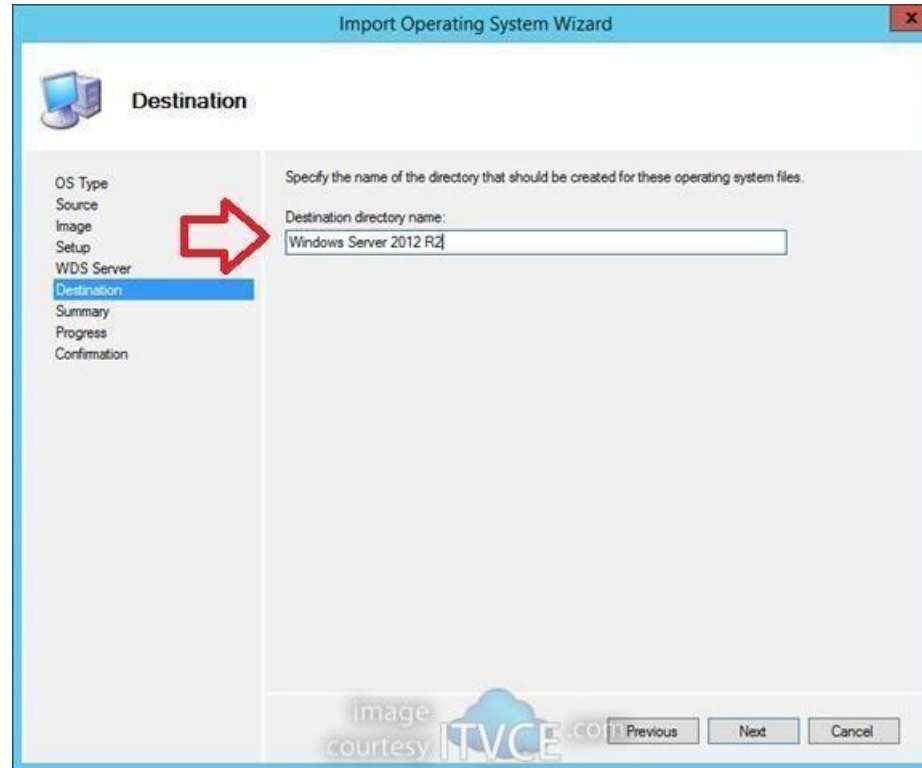
- Select full set of source files



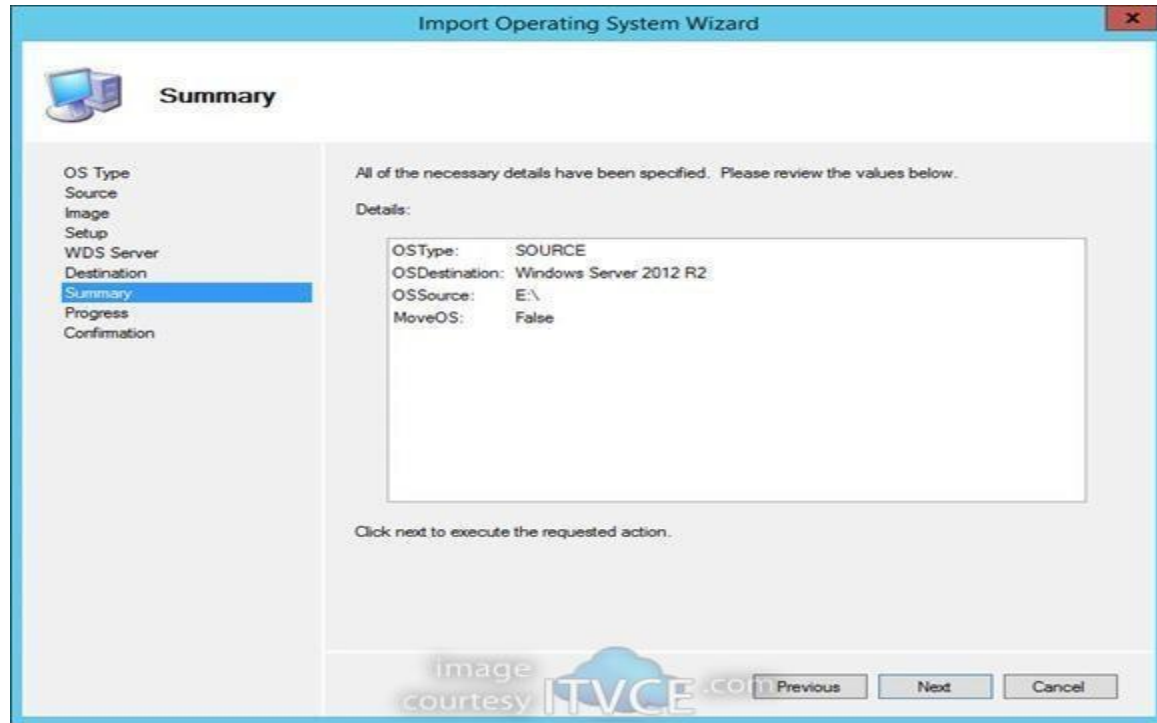
- Point to the source directory



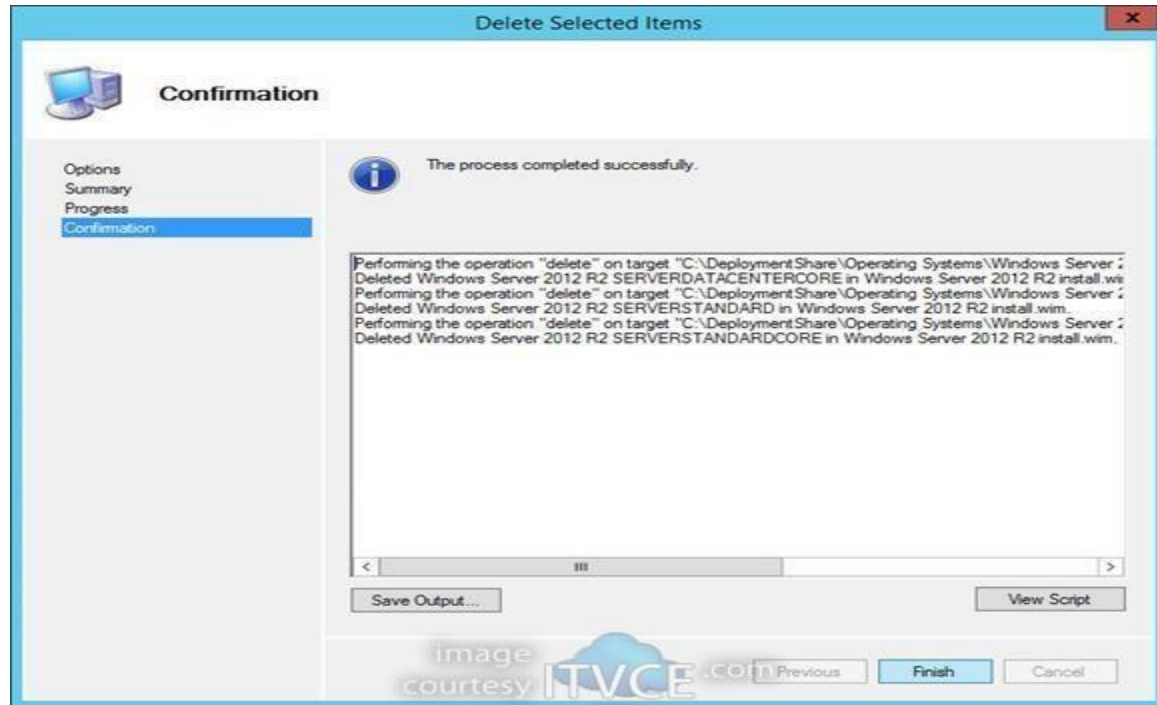
- Name the Destination Directory



- Review the summary

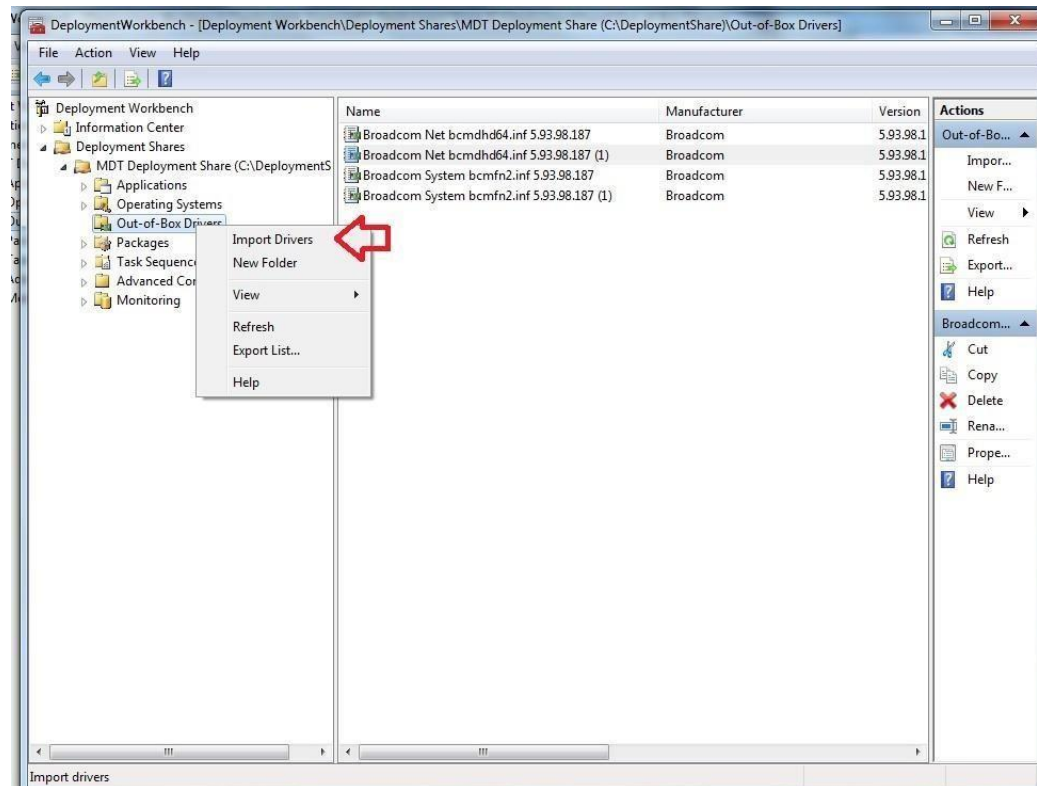


- View confirmation

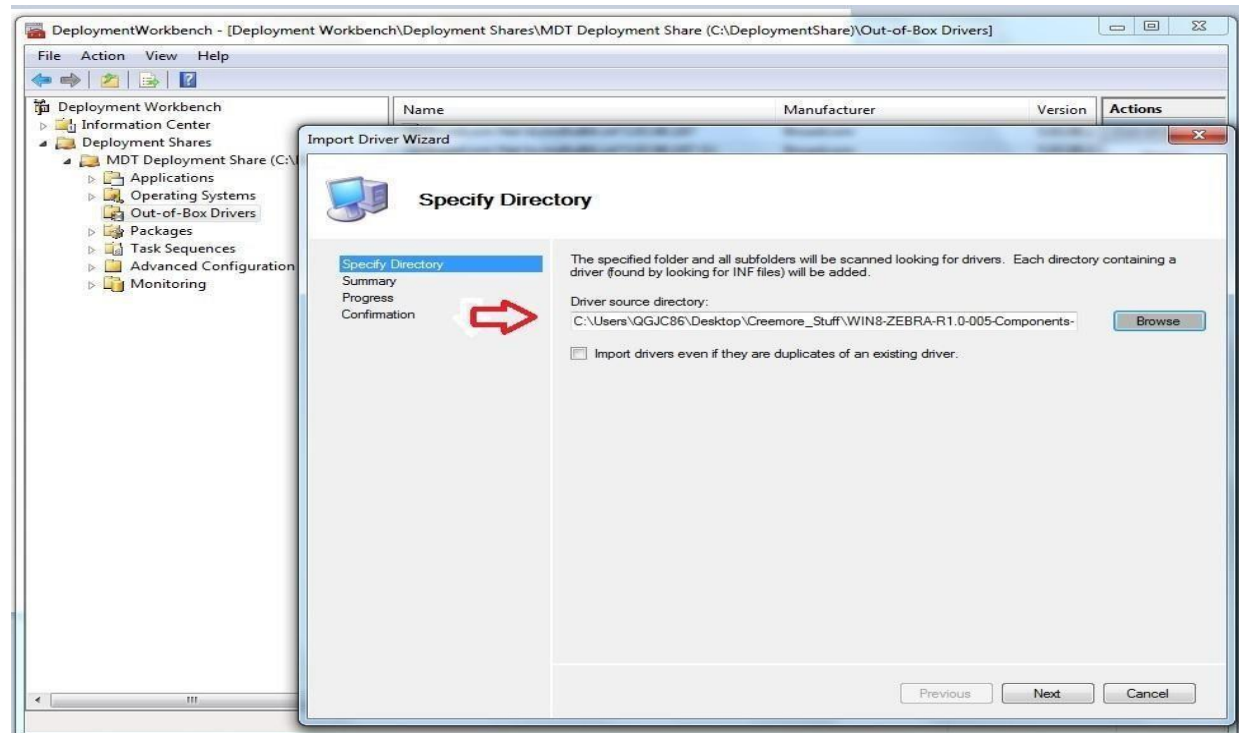


# • Import The drivers

Go the MDT Workbench and Deployment Share and select Out Of Box drivers

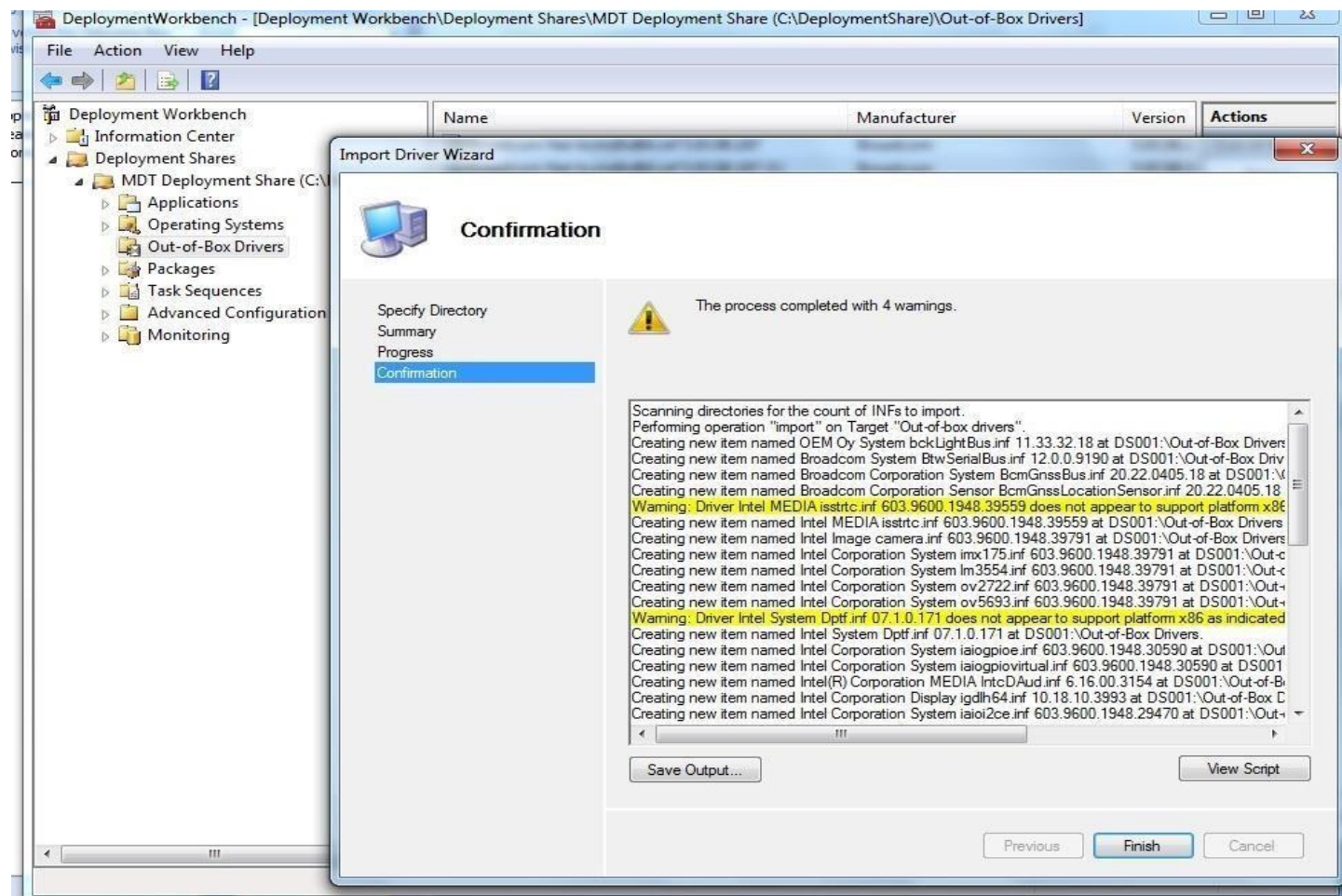


# Specify the source directory for the drivers



## .Configure Task Sequence

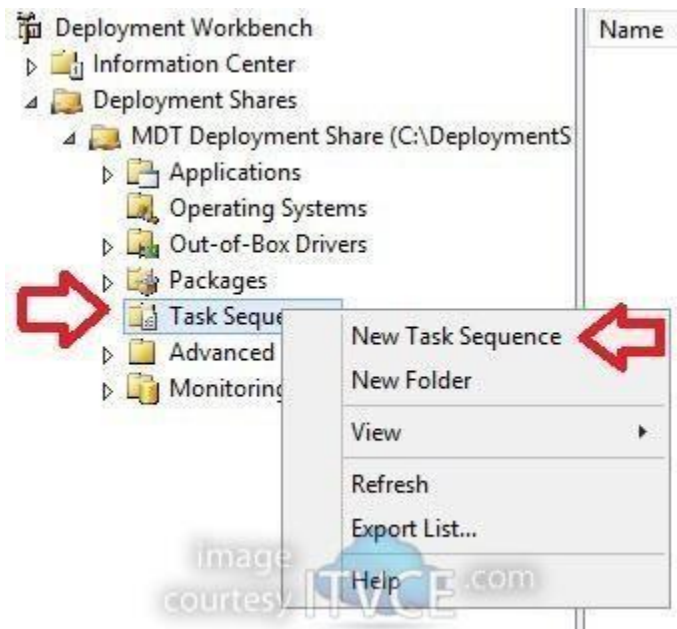
Hit next and Import the drivers





# Configure Task Sequence

Go to the Deployment Workbench and select Task Sequence in the deployment share



- Set general settings

New Task Sequence Wizard

**General Settings**

Specify general information about this task sequence. The task sequence ID is used internally as part of the deployment process. The task sequence name and comments are displayed by the deployment wizard.

Task sequence ID:  
EPLY-WS2012R2

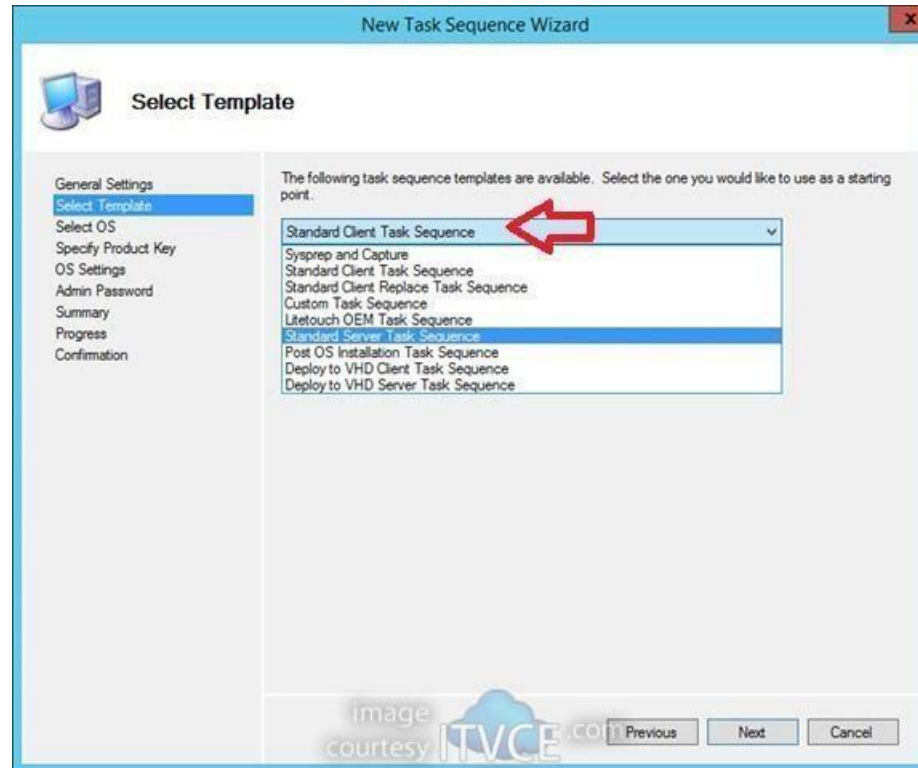
Task sequence name:  
Deploy Windows Server 2012 R2

Task sequence comments:

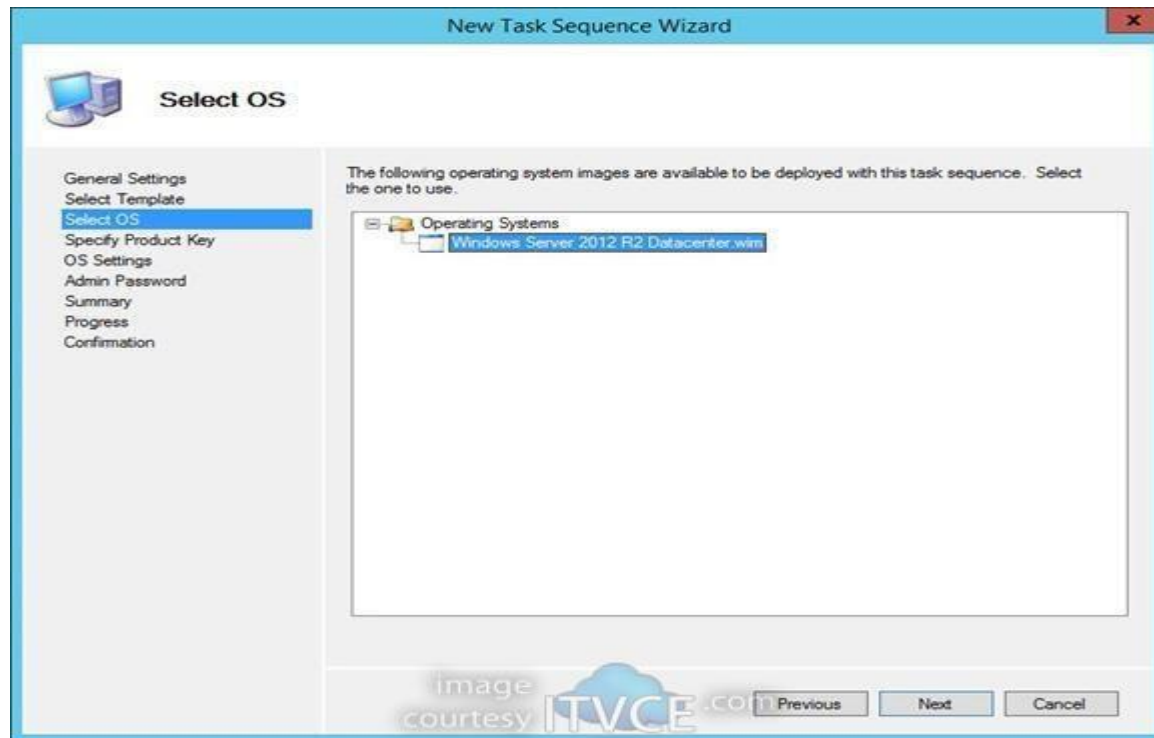
General Settings  
Select Template  
Select OS  
Specify Product Key  
OS Settings  
Admin Password  
Summary  
Progress  
Confirmation

image courtesy ITVCE .com Previous Next Cancel

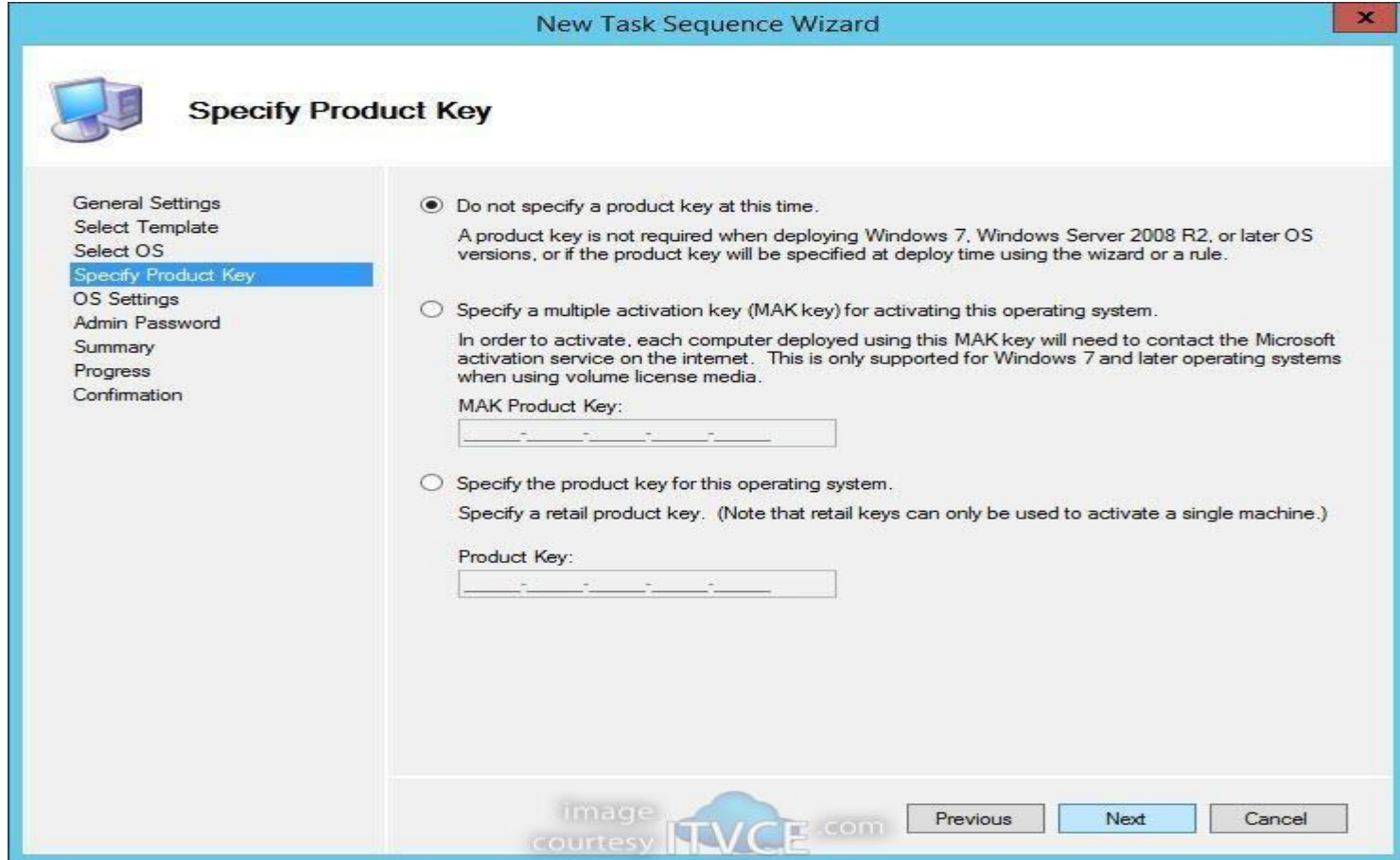
# • Select Template



- Select OS




# Specify whether to use Product Key or not



The screenshot shows the 'New Task Sequence Wizard' window, specifically the 'Specify Product Key' step. The window has a blue title bar and a sidebar on the left with a list of steps: General Settings, Select Template, Select OS, Specify Product Key (highlighted), OS Settings, Admin Password, Summary, Progress, and Confirmation. The main area contains three radio button options. The first option, 'Do not specify a product key at this time.', is selected. Below it is a text box for 'MAK Product Key:'. The second option, 'Specify a multiple activation key (MAK key) for activating this operating system.', is unselected. Below it is a text box for 'Product Key:'. The third option, 'Specify the product key for this operating system.', is unselected. At the bottom right are 'Previous', 'Next', and 'Cancel' buttons. A watermark 'image courtesy ITVCE.com' is visible at the bottom center.

New Task Sequence Wizard

 **Specify Product Key**

General Settings  
Select Template  
Select OS  
**Specify Product Key**  
OS Settings  
Admin Password  
Summary  
Progress  
Confirmation

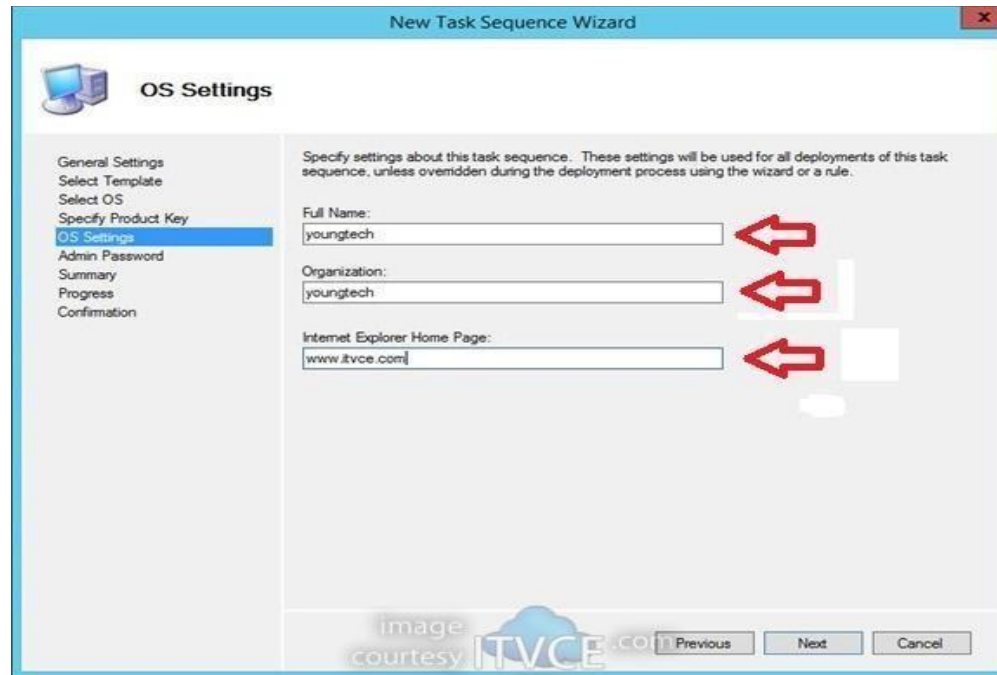
☒ Do not specify a product key at this time.  
A product key is not required when deploying Windows 7, Windows Server 2008 R2, or later OS versions, or if the product key will be specified at deploy time using the wizard or a rule.

☐ Specify a multiple activation key (MAK key) for activating this operating system.  
In order to activate, each computer deployed using this MAK key will need to contact the Microsoft activation service on the internet. This is only supported for Windows 7 and later operating systems when using volume license media.  
MAK Product Key:

☐ Specify the product key for this operating system.  
Specify a retail product key. (Note that retail keys can only be used to activate a single machine.)  
Product Key:

image courtesy ITVCE.com Previous Next Cancel

# Specify OS Settings



New Task Sequence Wizard

**OS Settings**

General Settings  
Select Template  
Select OS  
Specify Product Key  
**OS Settings**  
Admin Password  
Summary  
Progress  
Confirmation

Specify settings about this task sequence. These settings will be used for all deployments of this task sequence, unless overridden during the deployment process using the wizard or a rule.

Full Name:  
youngtech

Organization:  
youngtech

Internet Explorer Home Page:  
www.itvce.com

image courtesy ITVCE.com Previous Next Cancel

# Set Admin Password

New Task Sequence Wizard

**Admin Password**

General Settings  
Select Template  
Select OS  
Specify Product Key  
OS Settings  
**Admin Password**  
Summary  
Progress  
Confirmation

Specify the local Administrator password for this task sequence.

☒ Use the specified local Administrator password.

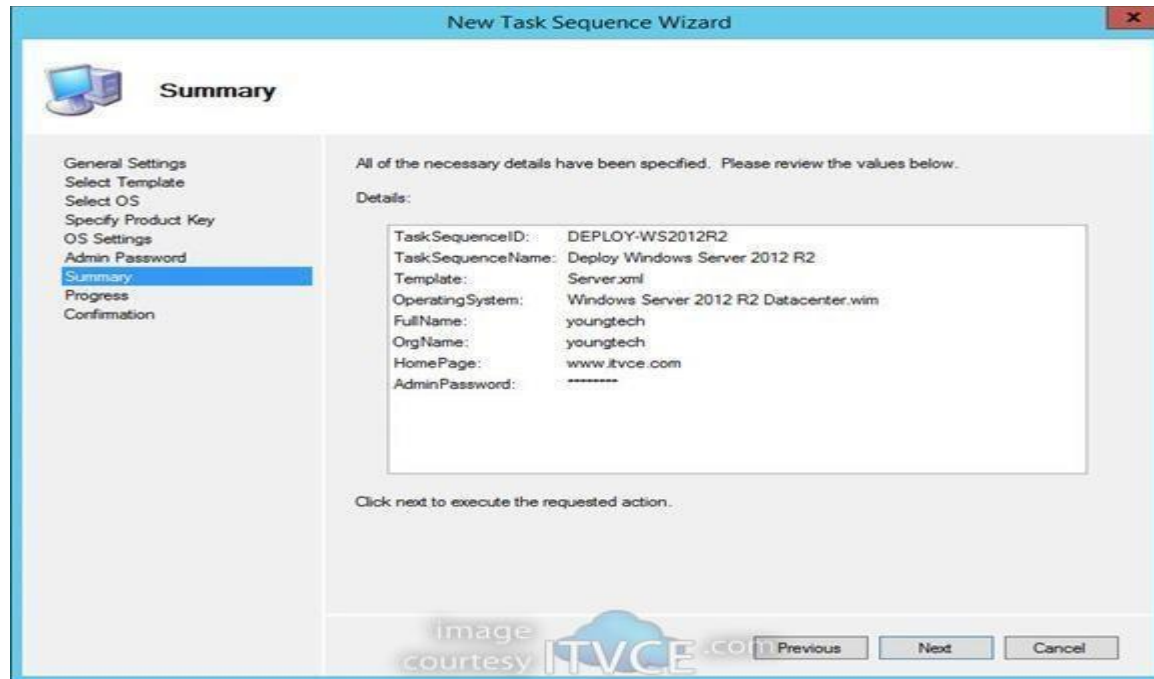
Administrator Password:

Please confirm Administrator Password:

☐ Do not specify an Administrator password at this time.  
The local Administrator password will be provided during the deployment of this task sequence, so it is not needed as part of the task sequence definition.

image courtesy ITVCE.CO Previous Next Cancel

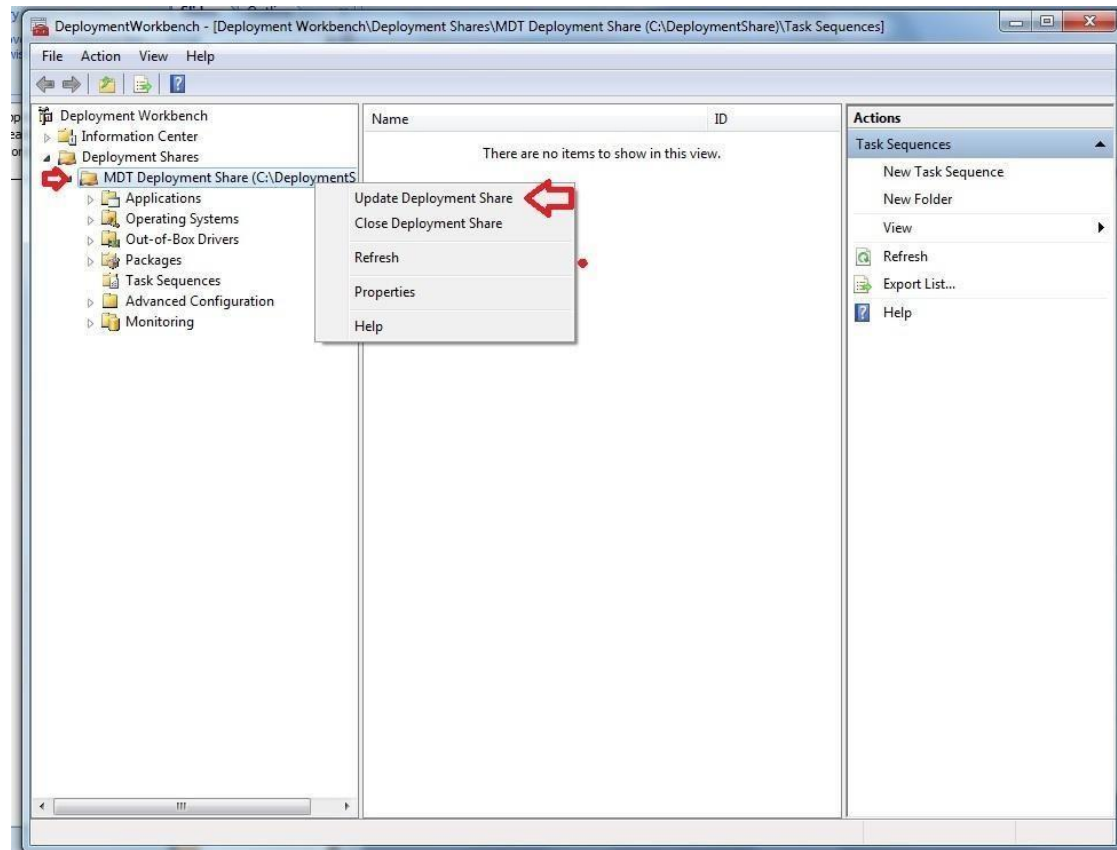
# View Summary



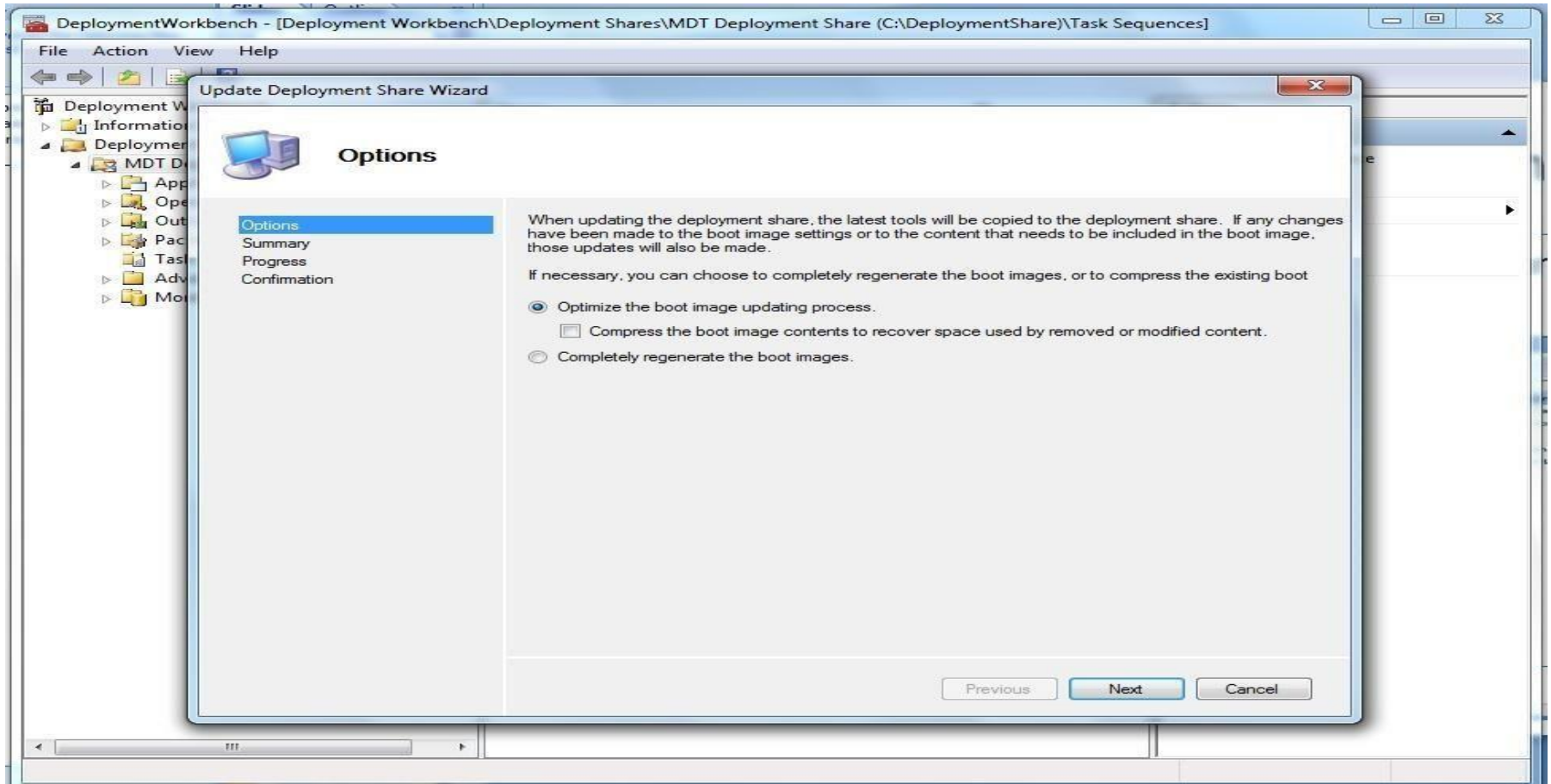


- Update The Deployment share

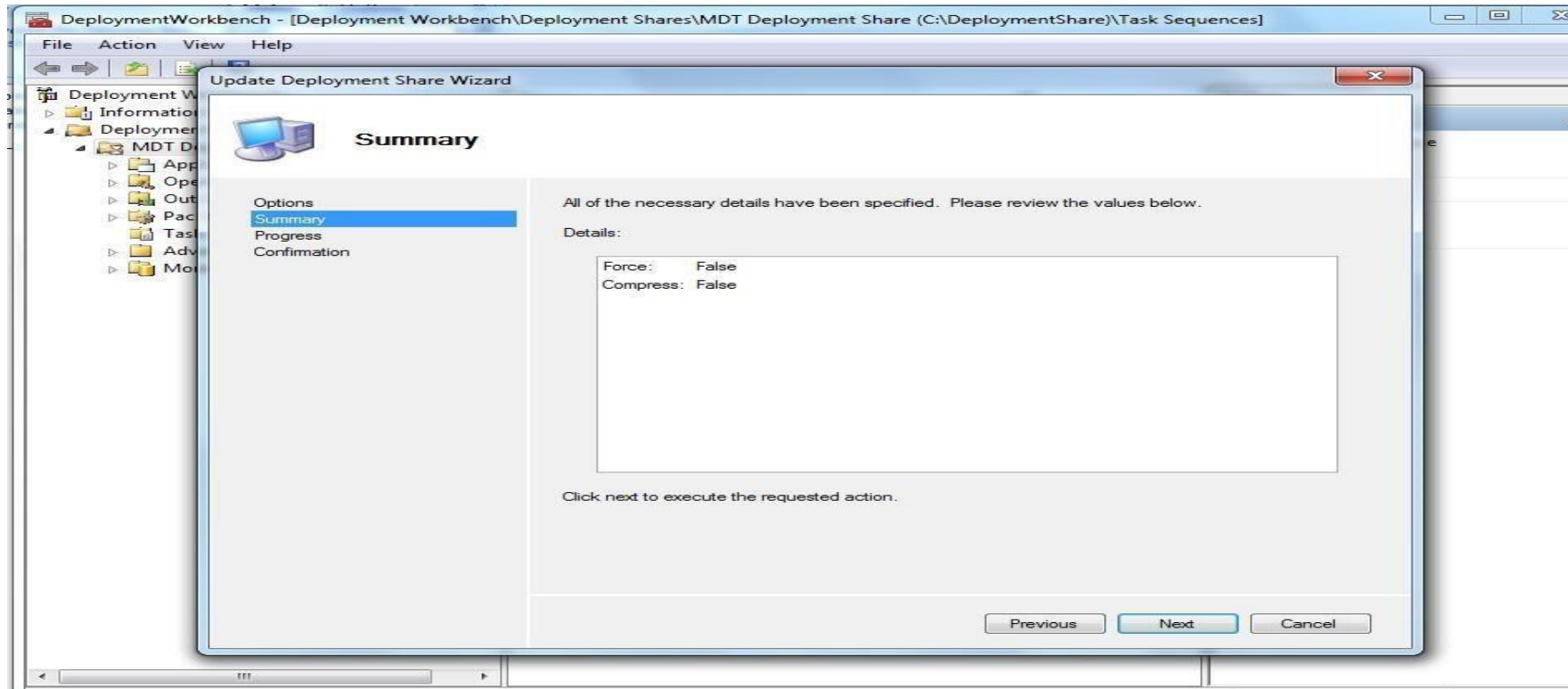
# Right Click on the Deployment Share and select update



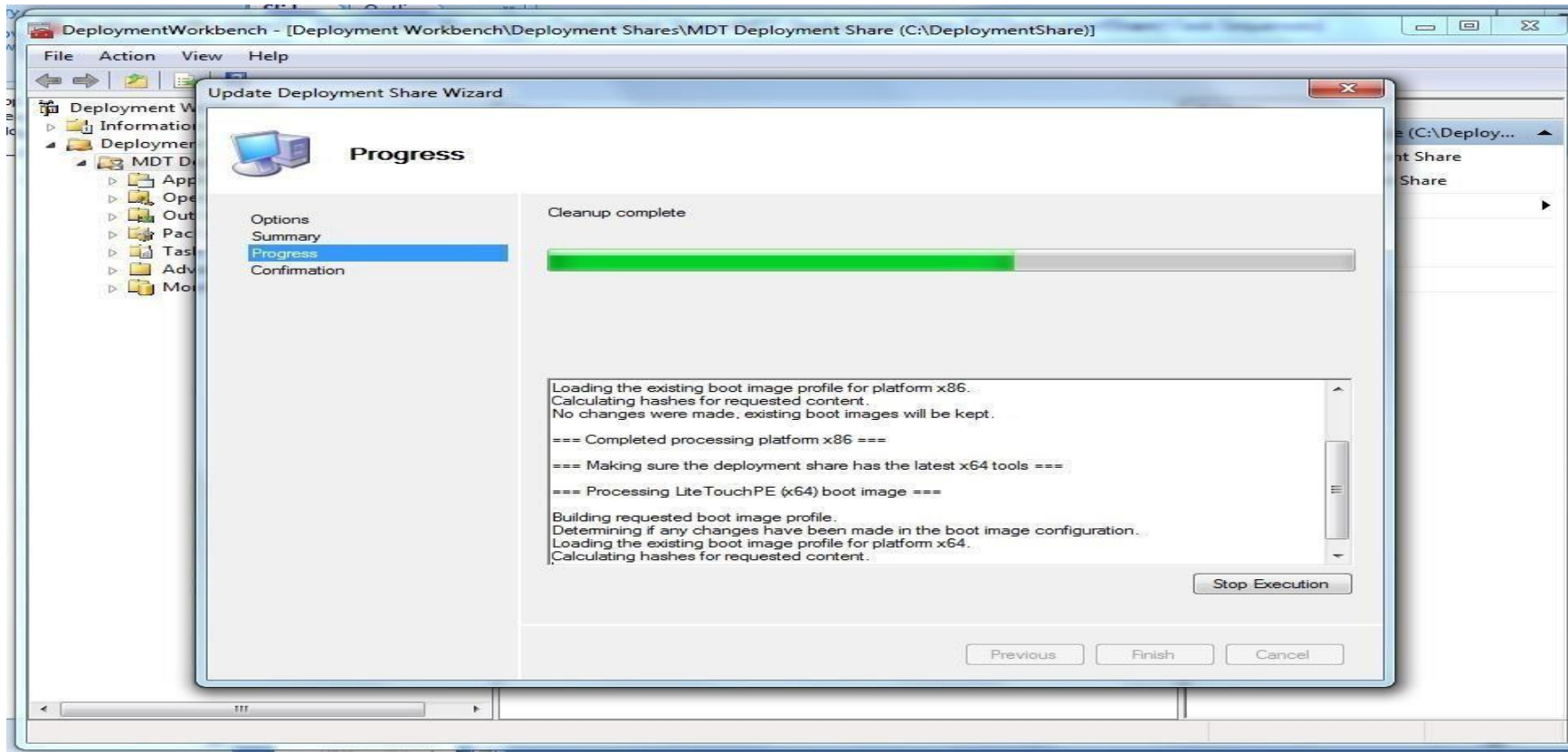
# Set Options



# Review Summary

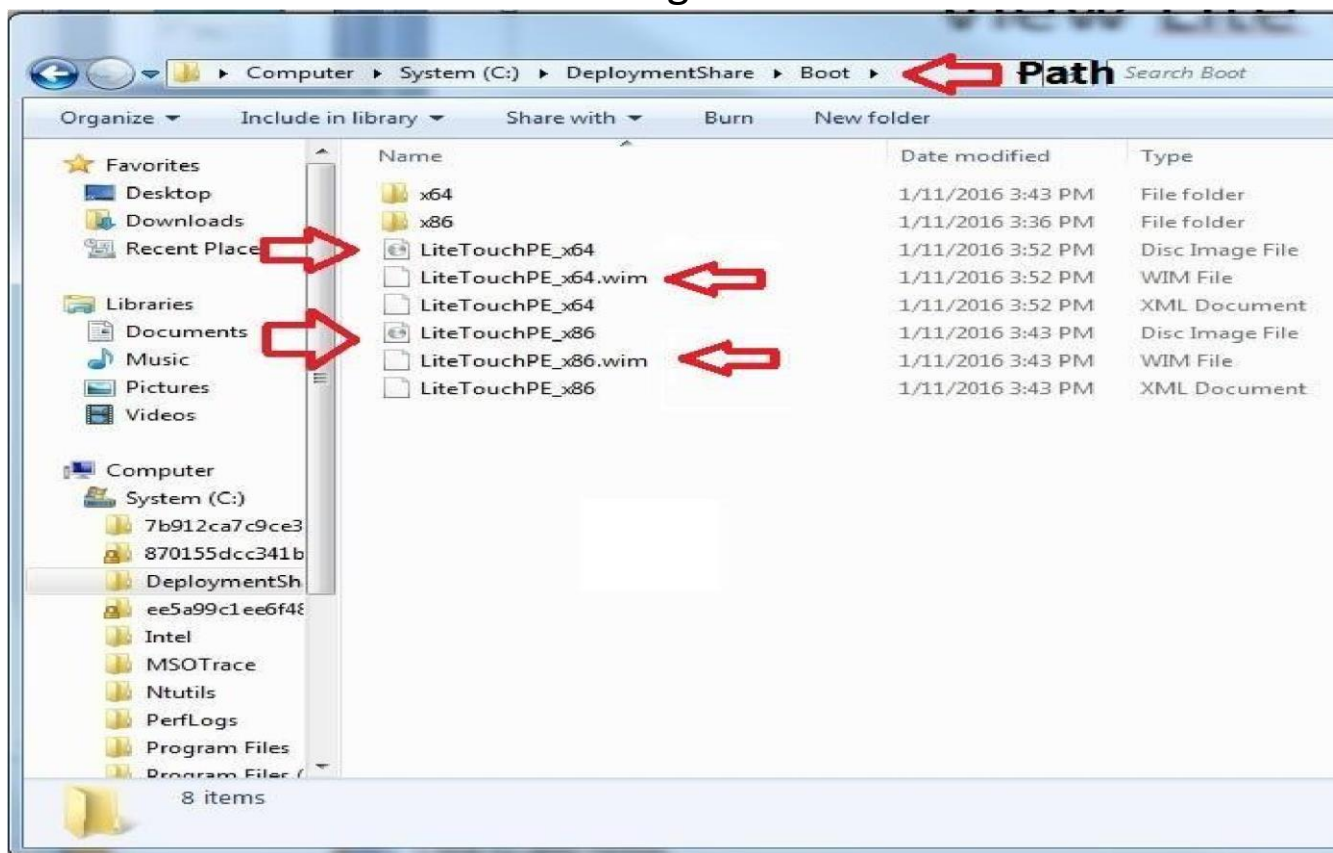


# Update the Share



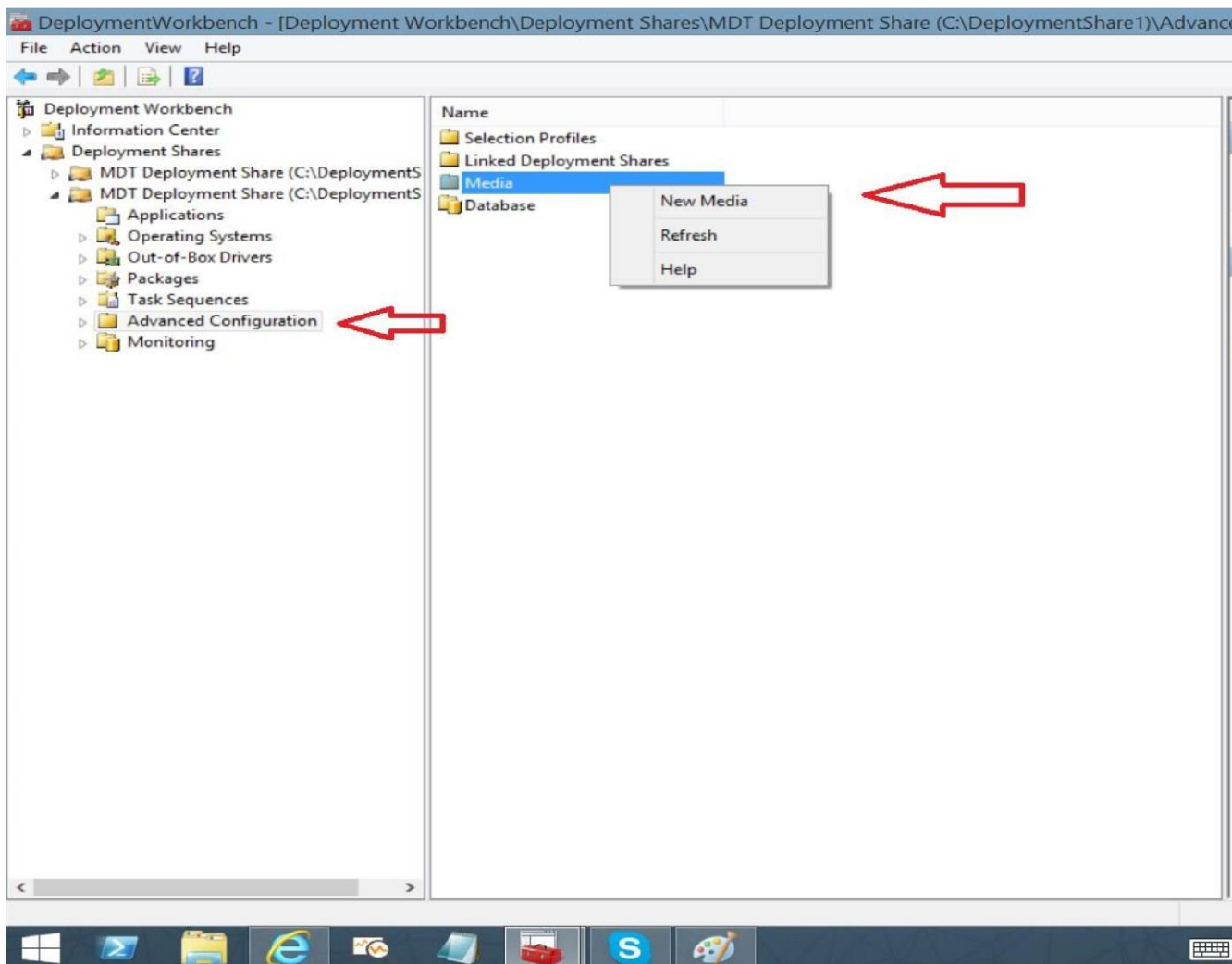
# View LiteTouchX86 & LiteTouchX64 ISO & WIM Files in Deployment Share

- Generated ISO & WIM files to integrate with WDS or SCCM

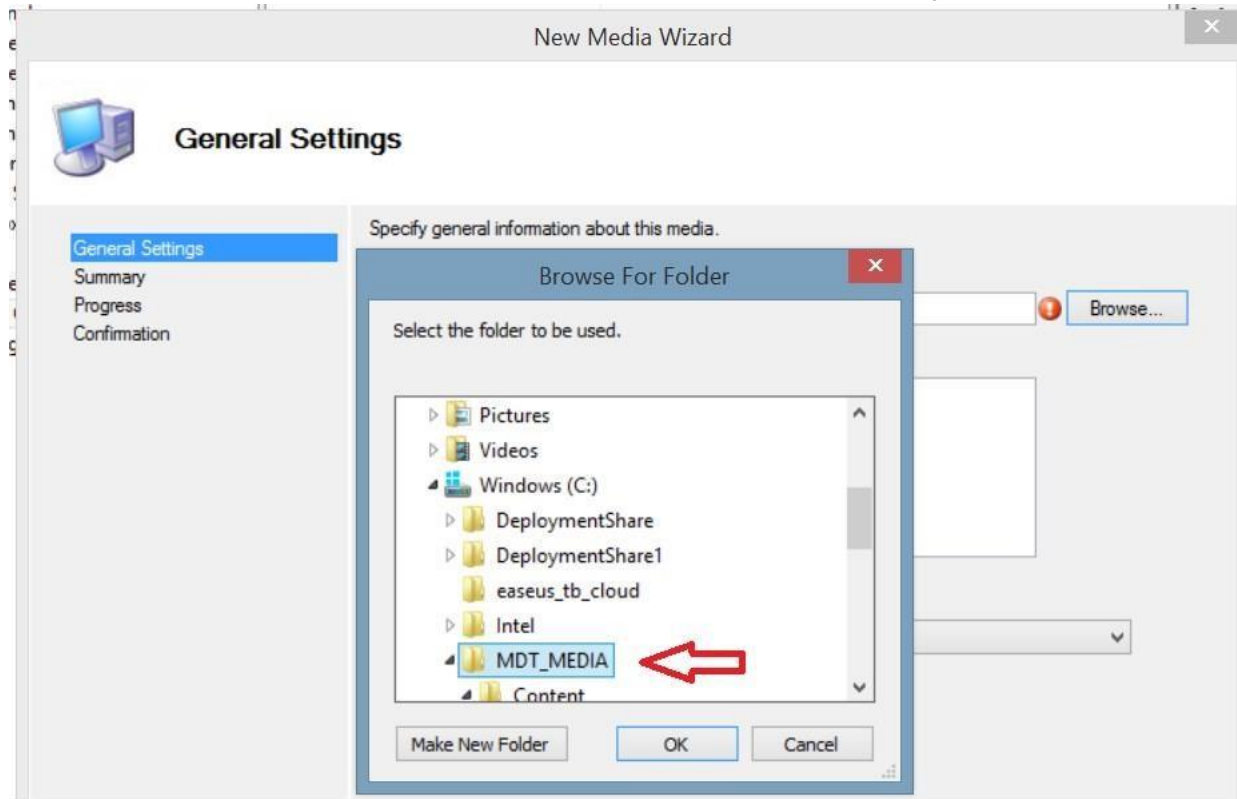


# Generating Media Install for USB

Select Advance Configuration\Media\New Media

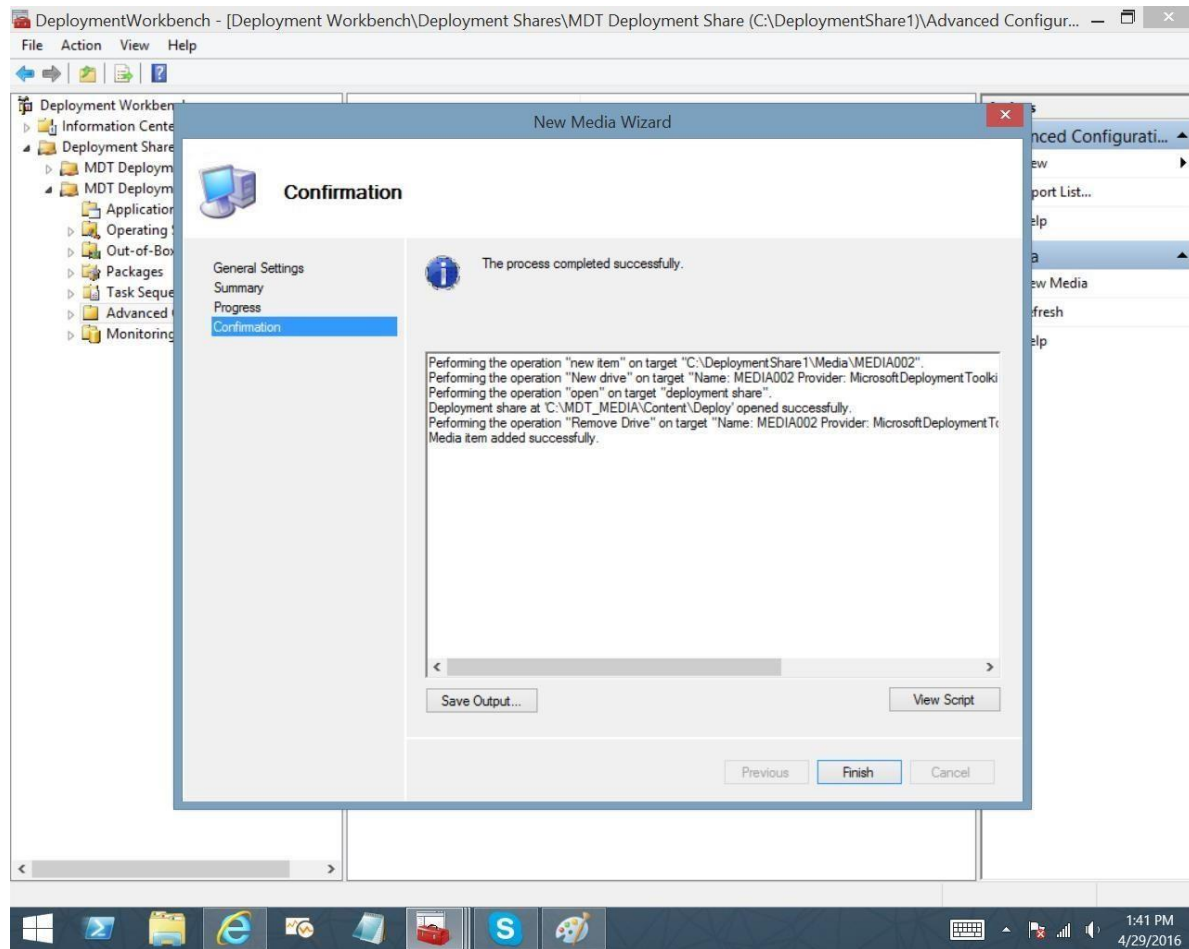


Select the MDT-Media Folder to store the deployment Files

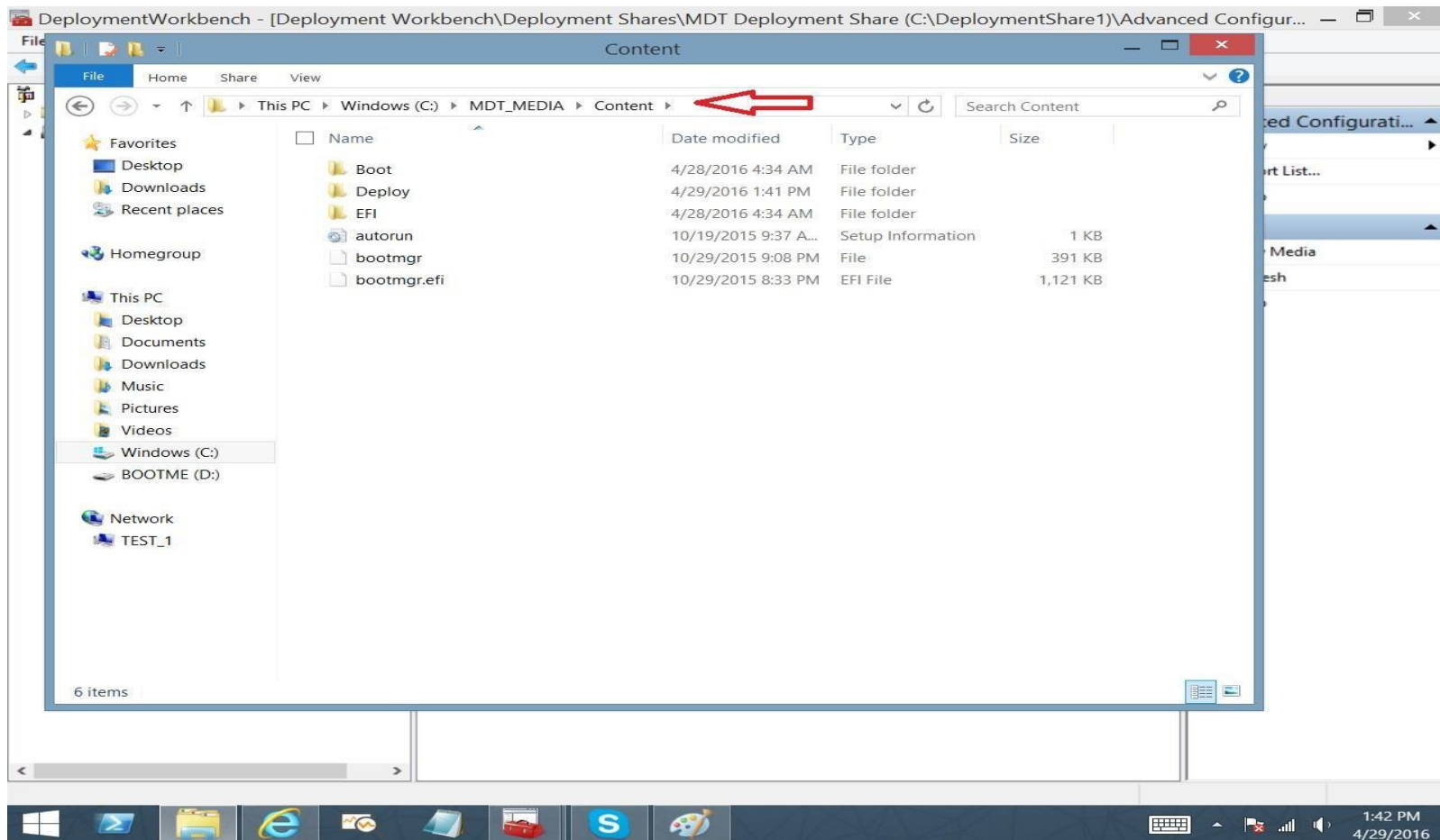


Click Finish and the install files will saved to MDT-Media folder



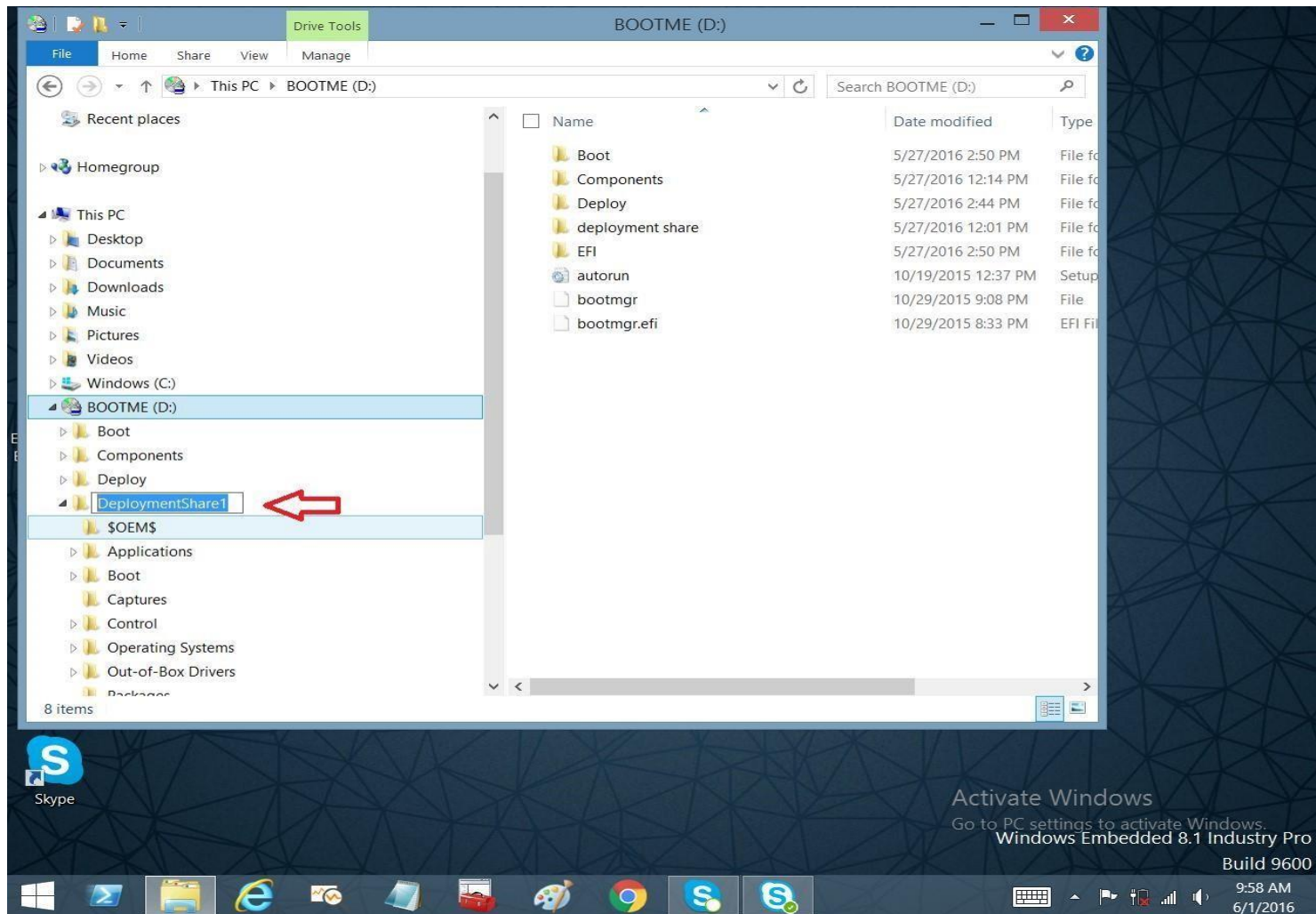


Copy the entire contents of the “Content Folder” to a USB formatted as Fat32 and the media is ready to use

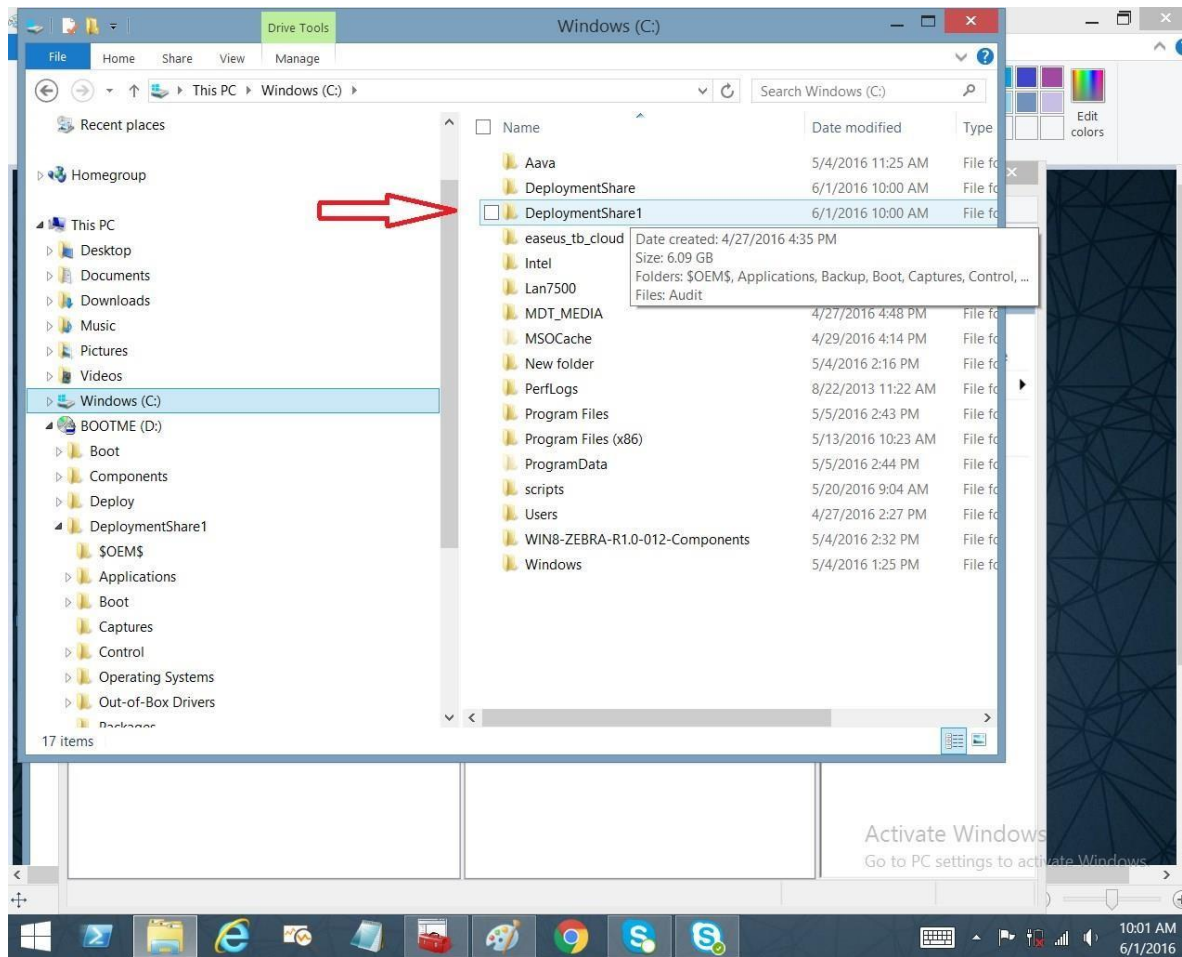


# Importing an existing MDT Deployment Share

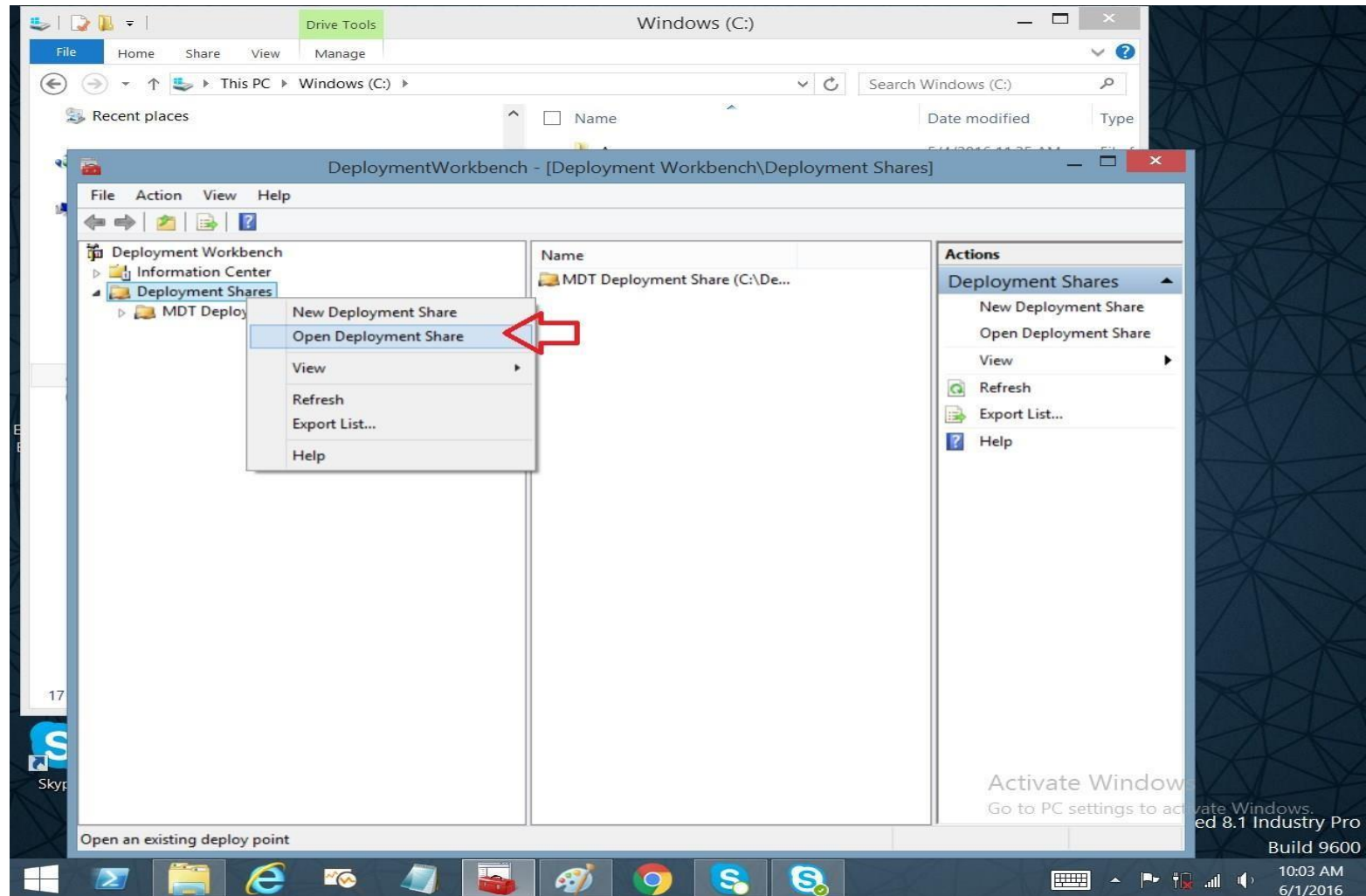
- Source Files are located in:
  - WIN10-ZEBRA-R1.0-00X-X64-DeploymentShare    Go the source Files for the Deployment Share and give the top-level Folder A Unique Name



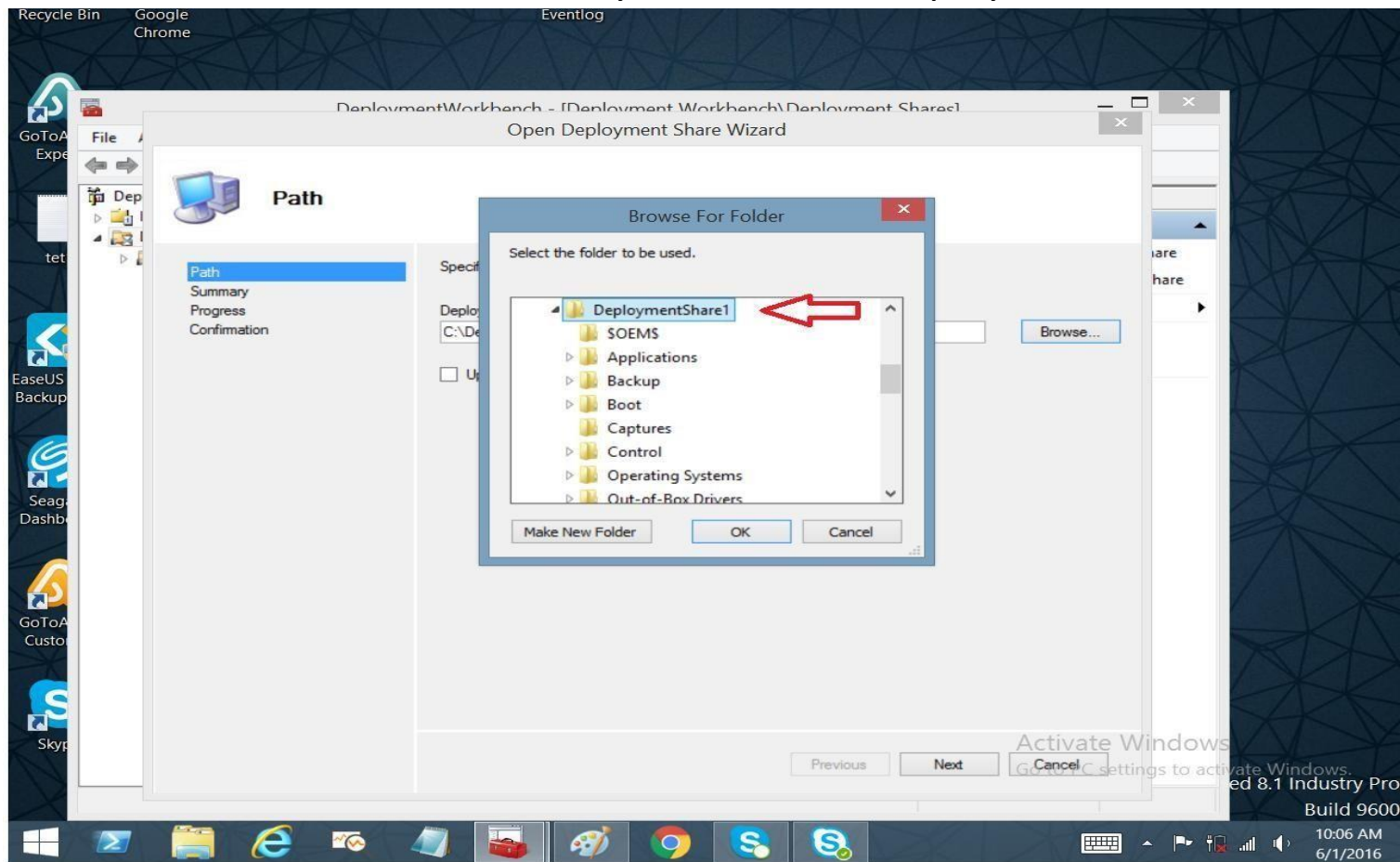
Copy The Renamed Deployment share to your C:  
Drive



Go to the Deployment Workbench and Right Click on The deployment Share folder

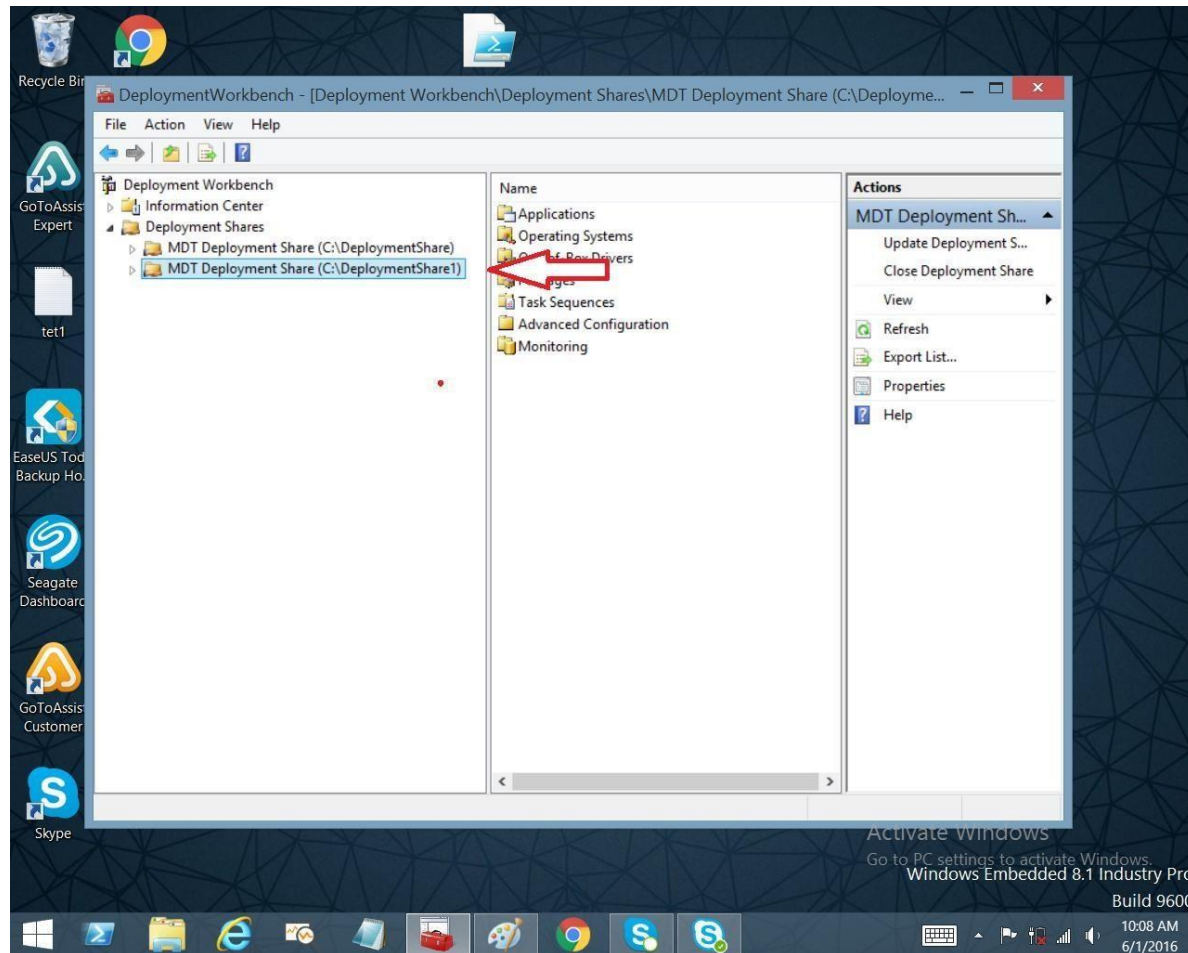


## Browse to C: Drive and select your renamed Deployment Share





The imported Deployment Share will be displayed in the Deployment Share folder





# Generate Media Install for Existing Deployment Share

- In the open deployment share, browse to Advanced Configuration / Media, right-click MEDIA001 and select "Update Media Content". This will create directory C:\MDT\_MEDIA.
- On Windows Explorer, browse to directory "Control" under the extracted deployment share. Copy the file CustomSettings.ini to directory C:\MDT\_MEDIA\Content\Deploy\Control, replacing the default configuration file. Format an USB disk with FAT32 and copy all the files under C:\MDT\_MEDIA\Content\ to the empty disk.
- See Also [Generating Media Install for USB](#)